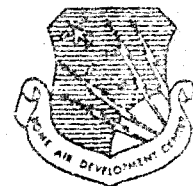


UNCLASSIFIED

| |
|---|
| |
| |
| |
| |
| AD NUMBER |
| AD841107 |
| NEW LIMITATION CHANGE |
| TO Approved for public release, distribution unlimited |
| FROM Distribution authorized to U.S. Gov't. agencies and their contractors; Critical Technology; Jun 1968. Other requests shall be referred to RADC [EMERR], Griffiss AFB, NY 13440. |
| AUTHORITY |
| RADC ltr dtd 6 Apr 1973 |

THIS PAGE IS UNCLASSIFIED

RADC-TR- 68-114, Volume II
Final Report



DATA COLLECTION FOR NONELECTRONIC RELIABILITY HANDBOOK
(NEDCO II)

Volume II, Section I, Failure Rate Data

William Yurkowsky

Hughes Aircraft Company

TECHNICAL REPORT NO. RADC-TR- 68-114
June 1968

This document is subject to special export controls and each transmittal to foreign governments, foreign nationals or representatives thereto may be made only with prior approval of RADC (EMERR), GAFB, N.Y. The distribution of this document is limited under the U.S. Mutual Security Acts of 1949.

OCT 15 1968

Rome Air Development Center
Air Force Systems Command
Griffiss Air Force Base, New York

Reproduced From
Best Available Copy

This document contains
blank pages that were
not filmed

AD841107

DATA COLLECTION FOR NONELECTRONIC RELIABILITY HANDBOOK
(NEDCO II)

Volume II, Section I, Failure Rate Data

William Yurkowsky

Hughes Aircraft Company

This document is subject to special
export controls and each transmittal
to foreign governments, foreign na-
tionals or representatives thereto may
be made only with prior approval of
RADC (EMERR), GAFB, N.Y. 13440.

EXPLANATION OF NEDCO II DATA FORMAT

The computer printout of nonelectronic data is presented in three sections: Section I - Failure Rate Data, Section II - Stress Level Data/Part Number, and Section III - Failure Mode Distributions.

Format of Section I - FAILURE RATE DATA

PART CLASSIFICATION: Parts are classified by generic type, utilizing the first five digits of the IDEP code for part classification. In the NEDCO format, the first three digits of the IDEP code appear with the part type at the top of the page. The fourth and fifth digits of the IDEP code appear with the IDEP part descriptors and are intended as subheadings on each page. Consistent with the IDEP definition, "N.O.C." means "Not Otherwise Classified," in part class or subheading.

PART DESCRIPTION: Additional part descriptive information is presented in this field. The specific part name is listed here when the IDEP classification only groups several similar part types.

FUNCTIONAL APPLICATION: This field describes the subsystem or application in which the part is used. Also, certain operating conditions may appear in parentheses in this field. When the same letter used as a suffix on failure rate, upper 90% confidence limit, and part-hours may have more than one meaning (e.g., M = MISSIONS or M = MILES), its meaning for that line item of data is explained in this field.

ENVIRONMENT: The operating environment is given by the following abbreviations:

- LAB = LABORATORY
- GRD = GROUND
- GRD FXD = GROUND, FIXED
- GRD MOB = GROUND, MOBILE
- GRD PORT = GROUND, PORTABLE
- SHP = SHIPBOARD
- SUB = SUBMARINE
- SAT = SATELLITE
- AIR = AIRCRAFT
- AIR CB = AIRCRAFT, CARRIER BASED
- AIR LB = AIRCRAFT, LAND BASED
- MSL = MISSILE
- GEN = GENERAL
- LIFE, LAB = LIFE TEST, LABORATORY
- LIFE, ACC = LIFE TEST, ACCELERATED
- ACCEPT TEST = ACCEPTANCE TEST
- STOR = STORAGE
- AIR GRD = AIR, GROUND
- AIR SHP GRD = AIR, SHIP, GROUND
- HELI = HELICOPTER
- QUAL TEST = QUALIFICATION AND EVALUATION TEST

SIM GRD = SIMULATED GROUND
SIM SHP = SIMULATED SHIPBOARD
SIM SUB = SIMULATED SUBMARINE
SIM SAT = SIMULATED SATELLITE
SIM MSL = SIMULATED MISSILE
SIM HELI = SIMULATED HELICOPTER
SIM AIR = SIMULATED AIRCRAFT
GRD SHP = GROUND, SHIP
RR = RAILROAD
SIM GRD AIR = SIMULATED GROUND, AIR

FAILURE RATE: Failures per million operating hours are given unless the failure rate is suffixed by a letter. The letter indicates that the failure rate is expressed in failures per million units explained either in the FUNCTIONAL APPLICATION field or as follows:

A = Actuations
C = Cycles
R = Rounds
P = Premature removals per million hours

An asterisk (*) indicates 0 failures.

UPPER 90% CONFIDENCE LIMIT: The upper one-sided 90% confidence limit is given in the units of the failure rate. Letters in suffix relate to units as in the FAILURE RATE field.

PART POPULATION: Total number of parts under observation are given in this field.

PART-HOURS: This field indicates total test time in millions of part-hours unless there is a letter in suffix. The letter is of the same code as the FAILURE RATE field.

YEAR OF REPORT: This date is the one appearing with the originator's data contribution and may represent either the date the data was generated or the date it was published.

DATA SOURCE: This field is a coded indication of the source of the data (see NEDCO II Source List), and is intended for RADC use only.

CROSS INDEX REFERENCE NUMBER: This number relates the failure rate data in Section I to the stress and failure mode information in Sections II and III. The suffix "A" on a number means that there exists supplemental information for the entry in Section II.

Format of Section II - STRESS LEVEL DATA/PART NUMBER

CROSS INDEX REFERENCE NUMBERS: This number relates to the failure rate data in Section I.

MILITARY STANDARD PART NUMBER/FEDERAL STOCK NUMBER: The number provided may be a Military Standard part number or a federal stock number.

PERCENT OF RATED VOLTAGE: The number indicated is the percent of the vendor-rated voltage at which the part was operated.

PERCENT OF RATED CURRENT: The number indicated is the percent of the vendor-rated current at which the part was operated.

PERCENT OF RATED POWER: The number indicated is the percent of the vendor-rated power at which the part was operated.

PERCENT OF RATED FREQUENCY: The number indicated is the percent of the vendor-rated frequency at which the part was operated.

PERCENT OF RATED PRESSURE: The number indicated is the percent of the vendor-rated pressure at which the part was operated.

TYPICAL TEMPERATURE: The number indicated is the ambient temperature of the part in degrees Centigrade which was experienced during operation.

HIGH TEMPERATURE: The number indicated is the greatest ambient temperature of the part in degrees Centigrade which was experienced during operation.

LOW TEMPERATURE: The number indicated is the lowest ambient temperature of the part in degrees Centigrade which was experienced during operation.

FREQUENCY OF SINUSOIDAL VIBRATION: The numbers indicated are an individual value or range of values for the frequency of sinusoidal vibration experienced by the part during operation. Values are presented in terms of cycles per second. The abbreviation K or M in this column indicates respectively kilocycles or megacycles.

INTENSITY OF SINUSOIDAL VIBRATION: The numbers indicated are an individual value or range of values for the intensity of sinusoidal vibration experienced by the part during operation. Values are presented in units of g (root-mean-square value).

INTENSITY OF RANDOM VIBRATION: The number indicated is the intensity of random vibration experienced by the part during operation. Values are presented in terms of the unit g^2 per cycle per second.

ACOUSTICAL VIBRATION: The number indicated is the intensity of acoustical vibration experienced by the part during operation. Values are presented in terms of decibels.

MAXIMUM INTENSITY OF SHOCK: The number indicated is the maximum intensity of shock experienced by the part during operation. Values are presented in units of g.

DURATION OF SHOCK: The number indicated is the average duration of individual shock blows experienced by the part during operation. Values are presented in terms of milliseconds.

SHOCK BLOWS PER HOUR: The number indicated is the average number of shock blows per hour experienced during operation.

TYPICAL PRESSURE: The number indicated is the typical barometric pressure experienced by the part during operation. Values are presented in terms of pounds per square inch absolute.

PRESSURE RANGE: The numbers indicated are the range of barometric pressures experienced by the part during operation. Values are presented in terms of pounds per square inch absolute.

TYPICAL RELATIVE HUMIDITY: The number indicated is the typical relative humidity in percent experienced by the part during operation.

RANGE OF RELATIVE HUMIDITY: The numbers indicated are the range of relative humidity in percent experienced by the part during operation.

Format of Section III - FAILURE MODE DISTRIBUTIONS

CROSS INDEX REFERENCE NUMBER: This number relates to the failure rate data in Section I. A missing cross index reference number indicates that failure rate information is unknown for that line entry.

FAILURE MODES BY PERCENT OF TOTAL FAILURES: The percent of the total number of failures attributed to a particular failure mode is given under a numerical heading in parentheses. The heading number corresponds to a numbered list of possible failure modes given at the beginning of the page(s) for each separate part type.

PART CLASSIFICATION CODE

020 ACCELEROMETERS
02000N.D.C.
02010G-LIMIT
02020GYRO STABILIZE
025 ACCUMULATORS
02500N.D.C.
02550GAS, N.D.C.
02560HYDRAULIC FLUID
027 ACTUATORS
02720N.D.C.
02725ELECTRIC
02740GAS, HOT
02750HYDRAULIC
02780PNEUMATIC
028 ADAPTERS
02800N.D.C.
029 ADJUSTERS
02900N.D.C.
030 AFTERBURNERS
03000N.D.C.
031 ALLERONS
03100N.D.C.
032 AMMUNITION BOXES
03200N.D.C.
051 AMPLIFIERS
05100N.D.C.
05110AUDIO
05125COMPUTER
05135MAGNETIC
05140POWER
05150REGULATING, VOLTAGE OR CURRENT
05160SERVO
05170VIDEO
05180VIBRO MIXING
060 ANCHORS
06000N.D.C.
070 ANGLES
07000N.D.C.
081 ANTENNAS
08100N.D.C.
08110RADAR AUTO TRACK AND SCAN
08120RADAR FIXED POSITION
08130RADAR MANUALLY STEERABLE ONLY
08140RADIO AND COMMUNICATIONS AUTO TRACK AND SCAN
08150RADIO AND COMMUNICATIONS FIXED POSITION
08160RADIO AND COMMUNICATIONS MANUALLY STEERABLE ONLY
082 ANVILS, 20 MM GUN
08200N.D.C.
083 ATOMIZERS
08300N.D.C.
08310FULL NOZZLE
092 AXES

09200N.O.C.
 093 LAFLES
 09300N.O.C.
 094 PADS
 09400N.O.C.
 096 EALLASTS
 09600N.O.C.
 097 BARS
 09700N.O.C.
 101 BATTERIES, NiMH-RECHARGEABLE
 10100N.O.C.
 101100N CELL
 101200AS
 10140 STANDARD CELL
 10150 THERMAL
 101800N CELL
 102 BATTERIES, RECHARGEABLE
 10200N.O.C.
 102200AS
 10260 SOLAR
 102800N CELL
 103 FLAMES
 10300N.O.C.
 104 FLIGHTS
 10400N.O.C.
 10420 PARTIAL
 10460 THRUST
 105 BREATHERS
 10500N.O.C.
 106 F TECHS
 10600N.O.C.
 107 BRIDGES
 10700N.O.C.
 108 BULKHEADS
 10800N.O.C.
 109 HUMPS
 10900N.O.C.
 110 FLANGES
 11000N.O.C.
 115 FELLOWS
 11500N.O.C.
 11506 LINEAR, FLOW
 11510 CRYOGENIC FLUIDS
 11512 CRYOGENIC FLUIDS, COMPOUND, FLOW
 11516 CRYOGENIC FLUIDS, LINEAR, FLOW
 11526 FUEL, EXOTIC, LINEAR, FLOW
 11550 GAS, N.O.C.
 11552 GAS, N.O.C., COMPOUND, FLOW
 11556 GAS, N.O.C., LINEAR, FLOW
 11570 CRYOGENIC FLUIDS, N.O.C.
 11576 CRYOGENIC FLUIDS, N.O.C., LINEAR, FLOW
 116 BONDING STRIPS
 11600N.O.C.
 117 FLAMES

11700N.D.C.
11710MAGNETIC
11720ELECTRIC
11740MANUAL
11750MECHANICAL
11770PNEUMATIC
118 BOOTS
11900N.D.C.
119 BRACES
11900N.D.C.
120 BRACKETS
12000N.D.C.
121 BLOWERS AND FANS
12100N.D.C.
12105AXIAL
12165RADIAL
124 BELTS
12400N.D.C.
125 BLADES
12500N.D.C.
126 BLANKETS
12600N.D.C.
130 BLOCKS
13000N.D.C.
142 CAGES
14200N.D.C.
143 CALIBRATORS
14300N.D.C.
144 CARS
14400N.D.C.
145 CAR OPENERS
14500N.D.C.
146 CANOPIES
14600N.D.C.
161 CAPACITORS, VARIABLE
16100N.D.C.
16105LAPLATE AIR DIELECTRIC
16120SINGLETURN CERAMIC TRIMMER
16125PISTON TYPE TABULAR TRIMMER, CERAMIC DIELECTRIC
16135PISTON TYPE TABULAR TRIMMER, GLAS DIELECTRIC
16145COMPOSITION MICA
16172PISTON TYPE TABULAR TRIMMER, QUARTZ TRIMMER
16175VOLTAGE VARIABLE
162 CARBUKETORS
16200N.D.C.
163 CARRIAGES
16300N.D.C.
164 CASES
16400N.D.C.
165 CATAPULTS
16500N.D.C.
166 CHAMBERS
16600N.D.C.

187 CHANNELS
 18700N.D.C.
 188 CRUISES
 18800N.D.C.
 182 COILS, INDUCTANCE, ADJUSTABLE
 18200N.D.C.
 183 COILS, MECHANICAL
 18300N.D.C.
 18310CINCLUSTING
 18320CINCLUSTING
 18330CREATING
 184 COMPRESSORS
 18400N.D.C.
 18410A18
 185 COMPENSATORS
 18500N.D.C.
 191 COMPUTER AND RECORDING ELEMENTS
 19100N.D.C.
 19115CODE CONVERTER
 19120LOGIC ELEMENT
 191400TSC
 19170MAGNETIC CORE
 19175TAPE
 19180MAGNETIC MEMORY
 192 COMPUTERS, ANALOG
 19200N.D.C.
 19210AIRSPED
 195 CONDUITS
 19500N.D.C.
 196 COMPS
 19600N.D.C.
 201 CONNECTORS
 20100ELECTRICAL, N.D.C.
 20110N.D.C.
 20115HYDRAULIC
 20120ELECTRICAL, PLUG ONLY
 20150ELECTRICAL, RECEPTACLE ONLY
 20165ELECTRICAL, MATED PAIR
 210 CONTROLS
 21000N.D.C.
 212 CONVERTERS, MECHANICAL
 21200N.D.C.
 213 CONVEYORS
 21400N.D.C.
 216 COILERS
 21600N.D.C.
 218 COORDINATORS
 21800N.D.C.
 232 COUNTERS
 23200N.D.C.
 23210ELECTRICAL
 23225ELECTRONIC
 23230MECHANICAL

233 COVERS
 23300N.O.C.
 234 COUNTERBALANCES
 23400N.O.C.
 23410COUNTERWEIGHT
 23420BALANCE-WEIGHT, GIMBAL
 235 CONLS AND COMING
 23500N.O.C.
 237 CUSHIONS
 23700N.O.C.
 241 CRYSTALS
 24100N.O.C.
 24110BAND PASS FILTERING
 24130FREQUENCY CONTROL
 24160PICKUP
 24170TIME DELAY
 242 CYLINDERS
 24200N.O.C.
 260 LAMPERS
 26000N.O.C.
 265 DEHYDRATORS
 26500N.O.C.
 271 DELAY LINES
 27100N.O.C.
 27101FIXED
 27111DISTRIBUTED PARAMETER, FIXED
 27121LUMPED PARAMETER, FIXED
 27131MAGNETOSTRICTIVE, FIXED
 27140NETWORK
 272 CAPPHRAGMS
 27200N.O.C.
 273 DIFFUSERS
 27300N.O.C.
 274 DISCS
 27400N.O.C.
 275 DISPENSERS
 27500N.O.C.
 276 CONES
 27600N.O.C.
 277 COORS
 27700N.O.C.
 278 COUBLERS
 27800N.O.C.
 279 DRAINS
 27900N.O.C.
 280 DRIVES
 28000N.O.C.
 281 DUCTS
 28100N.O.C.
 282 EDGES
 28200N.O.C.
 283 EJECTORS
 28500N.O.C.

302 ELEMENTS
 30200N.O.C.
 30210FILTERS
 30220HEATER
 30230PUMP
 303 ELEVATORS
 30300N.O.C.
 304 ENGINES
 30400N.O.C.
 30405PISTON
 30410TURBOJET
 30415TURBOPROP
 30420PULSE JET
 30425STEAM
 305 EXTINGUISHERS
 30500N.O.C.
 307 FASTENERS
 30700N.O.C.
 30705BELTND
 30710BOLT
 30715EXPLOSIVE BOLT
 30720CLIP OR CLAMP
 30740HOOK
 30750INSERT
 30760NUT
 30765PANEL AND COMEL
 30770GRIVET
 30780SCREW
 30790STAPLE
 308 FAIRINGS
 30800N.O.C.
 321 FILTERS, ELECTRICAL
 32100N.O.C.
 32102D.C.
 3210560 CYCLES ONLY
 32106400 CYCLES ONLY
 321070-3 KC
 321103-30 KC
 3212030-300 KC
 32130300-3000 KC
 321403-30 MC
 3215030-300 MC
 32160300-3000 MC
 325 FILTERS, NON-ELECTRICAL
 32500N.O.C.
 32505MECHANICAL
 32515CYCLOGENIC FLUIDS, MECHANICAL
 32525FUEL, EXOTIC, MECHANICAL
 32535FULL, HYDROCARBON, MECHANICAL
 32540GAS, HOT
 32551GAS, N.O.C., CHEMICAL
 32555GAS, N.O.C., MECHANICAL
 32565HYDRAULIC FLUID, MECHANICAL

225700XIDIZERS, N.O.C.
 225750XIDIZERS, N.O.C., MECHANICAL
 225850PNEUMATIC, MECHANICAL
 227 FINS
 22700N.C.C.
 332 FIREWALLS
 33300N.C.C.
 236 FITTINGS
 23600TUBING AND HOSE, N.O.C.
 23620TUBING AND HOSE, FLARED CONNECTION
 23640TUBING AND HOSE, BEADED CONNECTION
 23660TUBING AND HOSE, STRAIGHT TUBE CONNECTION
 23670TUBING AND HOSE, CRIMP CONNECTION
 23690TUBING AND HOSE, QUICK DISCONNECT
 238 FLAPS
 33600N.C.C.
 23810FLAP-ON-FLAPERETTE
 339 FLOWS
 33900P.C.C.
 240 FRAMES
 24000N.C.C.
 241 FUSES AND CIRCUIT PROTECTIVE DEVICES
 24100N.C.C.
 24110CIRCUIT BREAKER
 24120INSTRUMENT
 24130LINK
 24170STALE CARTRIDGE
 242 FUSELAGES
 24200N.C.C.
 245 GASKETS AND SEALS
 24500N.C.C.
 24530FLANGE
 24540LARYNTH
 24550C-RING
 24560FLAT
 24580PACKING
 24590PRESSURE EMERGING
 246 GATES
 24600N.C.C.
 248 GIMBALS
 24900N.C.C.
 249 COVERINGS
 24900N.C.C.
 250 GRIPS
 25000N.C.C.
 251 GUARDS
 25100N.C.C.
 252 GUNS
 25200N.C.C.
 253 HANDLES
 25300N.C.C.
 256 EYEDS

35900M.D.C.
 35830FREE
 35750INTEGRATING
 35870RATE
 361 HARDWARE
 36100M.D.C.
 36104BRUSHES
 36110BRUSHINGS
 36111BUTTON
 36112CONTACTS
 36116CLIPS AND HOLDERS
 36145JALS AND AMOBS
 36150DRUMMER PARTS
 36152GRONNETS AND FAIRLEADS
 36154SLIP RINGS
 36155INSERT
 36156SOCKETS
 36157HEAT SINKS
 36160KEYS AND PINS
 36162LATCHES
 36164MAGNETS
 36167LIGHTING PANELS
 36170INSULATORS
 36174SHIMS, SPACERS, AND WASHERS
 36177SPRINGS
 36180TERMINAL BOARDS AND STRIPS
 36187TERMINATIONS, WIRE
 36190ELECTROMECHANICAL, CURRENT CARRYING, TAPER PINS
 367 PATCHES
 36200M.D.C.
 363 HEADS
 36300M.D.C.
 364 HEADSETS
 36400M.D.C.
 365 HORNS, NOT WARNING DEVICES
 36500M.D.C.
 366 HOUSINGS
 36600M.D.C.
 367 HUBS
 36700M.D.C.
 366 HEAT EXCHANGERS
 36600M.D.C.
 36510CRYOGENIC FLUIDS
 36620FUEL, EXOTIC
 36650GAS, N.D.C.
 36660HYDRAULIC FLUID
 36670OXIDIZERS, N.D.C.
 36690OIL
 391 HEATERS
 39100ELECTRICAL, N.D.C.
 39120ELECTRICAL, CONDUCTION
 39130ELECTRICAL, CONVECTION
 39150ELECTRICAL, RADIATION

404 FUSES
 40400N.O.C.
 40410CRYOGENIC FLUIDS
 40420FUEL, EXOTIC
 40430FUEL, HYDROCARBON
 40440GAS, HOT
 40450GAS, N.O.C.
 40460HYDRAULIC FLUID
 40470OXIDIZERS, N.O.C.
 40480PNEUMATIC
 40490GIL
 415 IGNITION PARTS AND EXPLOSIVES
 41500N.O.C.
 41505COMMAND DESTRUCT
 41520ROCKET IGNITION, SOLID
 41540ROCKET IGNITION, LIQUID
 41560STAGE SEPARATION
 41580PROVIDE IMPULSE FOR OTHER SECONDARY ACTIONS
 420 INNERTUBES
 42000N.O.C.
 427 INSTRUMENTS
 42740INDICATING AND MEASURING
 428 INSTRUMENTS
 42800N.O.C.
 42803ALTITUDE
 42804ATTITUDE
 42805CURRENT
 42815DIRECTION
 42825ELECTRICAL, N.O.C.
 42874TEMPERATURE
 42875TIME
 440 INSULATION
 44000N.O.C.
 442 INTERLOCKS
 44200N.O.C.
 444 JACKS
 44400N.O.C.
 445 JARS
 44500N.O.C.
 446 JOINTS
 44600N.O.C.
 447 KITS
 44700N.O.C.
 448 LADDERS
 44800N.O.C.
 461 LIGHT SOURCES
 46110ELECTRICAL, ARC
 46120ELECTRICAL, FLUORESCENT, ULTRAVIOLET
 46130ELECTRICAL, NEON
 46135ELECTRICAL, INCANDESCENT, INSTRUMENT LIGHTING AND PILOT
 46140ELECTRICAL, INCANDESCENT, GENERAL
 46150ELECTRICAL, LAMP ASSEMBLIES, N.O.C.
 46185ELECTRICAL, LASERS, MASERS

442 LIMITERS
 44200M.D.C.
 443 LIMITERS
 44300M.D.C.
 444 LOUVERS
 44400M.D.C.
 485 MAGAZINES
 48500M.D.C.
 486 MATHFOLDS
 48600M.D.C.
 487 MASTS
 48700M.D.C.
 491 MAGNETS
 49100PERMANENT, N.D.C.
 511 MECHANISMS, POWER TRANSMITTAL
 51100M.D.C.
 51105ARM
 51110SHAFTS
 51111AXLE
 51112BELL-CRANK
 51113CAM
 51114FOLLOWER
 51120GEARS
 51125TRANSMISSION
 51130SYNCHRODS
 51140COUPLINGS
 51160BELTS
 51180CLUTCHES
 51182DIFFERENTIAL
 51190PISTONS
 521 MIXERS
 52100M.D.C.
 527 MODULATORS
 52700M.D.C.
 531 MOTORS AND MOTOR GENERATORS
 53100M.D.C.
 53102D.C.
 5310540 CYCLES ONLY
 53106400 CYCLES ONLY
 531070-3 KC
 531103-30 KC
 53160300-3000 KC
 532 MOTORS AND MOTOR GENERATORS
 53200DYNAMOTOR
 53200M.D.C.
 53205SERVO MOTOR
 53220MINIATURE
 53221MINIATURE, SYNCHRONOUS
 53222MINIATURE, HYSTERESIS SYNCHRONOUS
 53223MINIATURE, INDUCTION
 53224MINIATURE, PERMANENT MAGNET
 53225MINIATURE, SERVO MOTOR
 53231SMALL FRACTIONAL HP, SYNCHRONOUS

53243 SMALL FRACTIONAL HP, HYSTERESIS-SYNCHRONOUS
53247 SMALL FRACTIONAL HP, INDUCTION
53248 SMALL FRACTIONAL HP, PERMANENT MAGNET
53249 SMALL FRACTIONAL HP, SERVO MOTOR
53261 FROM 1/4 HP TO 1 HP, SYNCHRONOUS
53265 FROM 1/4 HP TO 1 HP, UNIVERSAL
53281 OVER 1 HP, SYNCHRONOUS
53287 OVER 1 HP, INDUCTION
53288 OVER 1 HP, PERMANENT MAGNET
540 MOUNTS
54000N.O.C.
541 MOUNTS, SHOCK AND VIBRATION ISOLATION
54100N.O.C.
54110 COMBINATION SHOCK/VIBRATION
54120 SHOCK ONLY
54130 VIBRATION ONLY
542 NOZZLES
54200N.O.C.
545 OPTICAL DEVICES AND CAMERAS
54500N.O.C.
54505 ASTROTRACKER
54506 PROJECTORS
54520 MICROCOPES
54530 PERISCOPES
54570 TELESCOPES
54580 TELEVISION CAMERAS
553 OVERRIDES
55300N.O.C.
554 GRIFICES
55400N.O.C.
557 POWER SUPPLIES, ELECTRICAL, ROTATING
55700N.O.C.
55701 ALTERNATORS
55702 CONVERTERS
55704 GENERATORS
55710 UNDER 1 MW
557421-30 VOLTS, CONVERTERS
557451-30 VOLTS, INVERTERS
55764109-240 VOLTS, GENERATORS
55765109-240 VOLTS, INVERTERS
562 POWER SUPPLIES, ELECTRICAL, STATIC
56200N.O.C.
56206 LESS THAN .1 WATT
56216 .5-1 WATT
562201-2 WATTS
562302-10 WATTS
5624010-100 WATTS
56250100-1000 WATTS
562601-10 KW
562701C-100 KW
566 PADS
56600N.O.C.
567 PINS

56700N.O.C.
568 PANELS
56800N.O.C.
569 PEDALS
56900N.O.C.
570 PEDESTALS
57000N.O.C.
571 PINS
57100N.O.C.
572 PIPES
57200N.O.C.
57210TAIL
57220EXHAUST
573 PISTONS
57300N.O.C.
57310HYDRAULIC
574 PLATES
57400N.O.C.
575 PUMPS AND HYDRAULIC MOTORS
57500N.O.C.
57510AXIAL
57520CENTRIFUGAL
57530CUMMINGS
57540GEAR
57550RECTIPROCATING
57560RADIAL
57570VANE TYPE, N.O.C.
576 PLATFORMS
57600N.O.C.
57610INERTIAL
577 PORTS
57700N.O.C.
580 PROBES
58000N.O.C.
581 PROPELLERS
58100N.O.C.
582 PUCKS
58200N.O.C.
583 PYLONS
58300N.O.C.
584 PULLEYS
58400N.O.C.
586 RACKS
58600N.O.C.
587 RECORDERS
58700N.O.C.
58730LUM
58745FILM, PHOTOGRAPHIC
58755TAPE, MULTIPLE CHANNEL, MAGNETIC
588 RADIATORS
58800N.O.C.
589 RADOMES
58900N.O.C.

591 RAFTS
 59100M.O.C.
 592 RAILS
 59200M.O.C.
 593 REFRIGERATION DEVICES
 59300M.O.C.
 59330PHYSICAL ABSORPTION
 59340THERMO-ELECTRIC
 594 RAMPS
 59400M.O.C.
 595 REGULATORS, ELECTRICAL
 5950ELECTRICAL, M.O.C.
 59510ELECTRICAL, A.C. LINE VOLTAGE
 59520ELECTRICAL, D.C. LINE VOLTAGE
 59530ELECTRICAL, CURRENT
 596 REGULATORS, FLUID
 59600FLUID, M.O.C.
 59610FLUID, CRYOGENIC FLUIDS
 59620CUT OUT, OIL PRESSURE
 59630FLUID, FUEL, HYDROCARBON
 59640CUT OUT, LOW TEMPERATURE
 59650FLUID, GAS, M.O.C.
 59660FLUID, HYDRAULIC FLUID
 59670FLUID, ORIDIZERS, M.O.C.
 59680FLUID, PNEUMATIC
 597 REGULATORS, FLUID
 59710FLUID, FLOW
 59713FLUID, FLOW, DIAPHRAGM
 59714FLUID, FLOW, DOME LOADED
 59716FLUID, FLOW, POPPET
 59717FLUID, FLOW, SLEEVE
 59760FLUID, PRESSURE
 59761FLUID, PRESSURE, BALL
 59763FLUID, PRESSURE, DIAPHRAGM
 59764FLUID, PRESSURE, DOME LOADED
 59765FLUID, PRESSURE, INTERNAL LOADED
 59766FLUID, PRESSURE, POPPET
 59780FLUID, TEMPERATURE
 59787FLUID, TEMPERATURE, SLEEVE
 601 RELAYS
 60100M.O.C.
 60101ENCLOSED
 60104HERMETICALLY SEALED
 60105HERMETICALLY SEALED, ARMATURE
 60110LESS THAN 1/2 MP
 60111LESS THAN 1/2 AMP, ENCLOSED
 60113LESS THAN 1/2 AMP, ENCLOSED, ROTARY
 60114LESS THAN 1/2 AMP, HERMETICALLY SEALED
 60115LESS THAN 1/2 AMP, HERMETICALLY SEALED, ARMATURE
 601211/2 TO 1 AMP, ENCLOSED
 601211/2 TO 1 AMP, HERMETICALLY SEALED
 601211/2 TO 1 AMP, HERMETICALLY SEALED, ARMATURE
 601211/2 TO 1 AMP, UNENCLOSED

601301-5 AMPS
601311-5 AMPS, ENCLOSED
601321-5 AMPS, ENCLOSED, ARMATURE
601331-5 AMPS, ENCLOSED, ROTARY
601341-5 AMPS, HERMETICALLY SEALED
601351-5 AMPS, HERMETICALLY SEALED, ARMATURE
601361-5 AMPS, HERMETICALLY SEALED, ROTARY
601371-5 AMPS, UNENCLOSED
601381-5 AMPS, UNENCLOSED, ARMATURE
601405-10 AMPS
601425-10 AMPS, ENCLOSED, ARMATURE
601445-10 AMPS, HERMETICALLY SEALED
601455-10 AMPS, HERMETICALLY SEALED, ARMATURE
601465-10 AMPS, HERMETICALLY SEALED, ROTARY
601485-10 AMPS, UNENCLOSED, ARMATURE
6015110-20 AMPS, ENCLOSED
6015210-20 AMPS, ENCLOSED, ARMATURE
6015410-20 AMPS, HERMETICALLY SEALED
6015510-20 AMPS, HERMETICALLY SEALED, ARMATURE
6015710-20 AMPS, UNENCLOSED
6016020-50 AMPS
6016420-50 AMPS, HERMETICALLY SEALED
6016520-50 AMPS, HERMETICALLY SEALED, ARMATURE
6016720-50 AMPS, UNENCLOSED
6016820-50 AMPS, UNENCLOSED, ARMATURE
601710-ER 50 AMPS, ENCLOSED
601720VER 50 AMPS, ENCLOSED, ARMATURE
601730VER 50 AMPS, ENCLOSED, ROTARY
601740VER 50 AMPS, HERMETICALLY SEALED
601750VER 50 AMPS, UNENCLOSED
603 RECEPTACLES
60300N.O.C.
661 RESISTORS, VARIABLE
66109N.O.C.
66120CARBON FILM
66140COMPOSITION
66145METAL FILM
66160PLASTIC, CONDUCTIVE
66161PRECISION
66170WIRE WOUND, POWER
66175WIRE WOUND, PRECISION
670 RESTS
67000N.O.C.
67010HEAD
67020BACK
675 RIES
67500N.O.C.
677 ROCKETS
67700N.O.C.
67710JATO
680 RDS
68000N.O.C.
690 ROTORS

6900 N.O.C.
 7000 PLECCERS
 7000 N.O.C.
 705 SCREENS
 70500N.O.C.
 706 SCISSORS
 70600N.O.C.
 70610TORQUE
 707 SCORPS
 70700N.O.C.
 708 SCREWJACKS
 70800N.O.C.
 712 SEATS
 71200N.O.C.
 754 SEPARATORS
 75400N.O.C.
 755 SERVOS
 75500N.O.C.
 761 SATELDS AND SHIELDING
 76100N.O.C.
 76110ELECTROMAGNETIC RADIATION
 76150HEAT
 763 SHOES
 76300N.O.C.
 764 SHROUDS
 76400N.O.C.
 765 SKIN
 76500N.O.C.
 766 SNEEBERS
 76600N.O.C.
 771 SOLENOIDS
 77100N.O.C.
 77120C, ROTARY
 77130C, LINEAR
 77140C, ROTARY
 772 SPARS
 77200N.O.C.
 773 SPINNERS
 77300N.O.C.
 774 SCULERS
 77400N.O.C.
 775 SPRAYBARS
 77500N.O.C.
 776 SPROCKETS
 77600N.O.C.
 777 STABILIZERS
 77700N.O.C.
 778 STARTERS
 77800N.O.C.
 779 STATORS
 77900N.O.C.
 780 STRAINERS
 78000N.O.C.

791 STRAPS
 78100N.O.C.
 732 STRIKERS
 78200N.O.C.
 783 STRUTS
 78300N.O.C.
 784 SUPPORTS
 78400N.O.C.
 791 SWITCHES, ELECTRICAL
 79100N.O.C.
 79110 FLUID PRESSURE
 79120 GRAVITY
 79130 INERTIA
 79140 TEMPERATURE
 79150 MAGNETIC
 79170 MANUAL
 79180 MECHANICAL N.O.C.
 79190 SNAKE
 793 SWIVELS
 79300N.O.C.
 795 SYNCHROS
 79500N.O.C.
 79510 CONTROL DIFFERENTIAL
 79515 CONTROL RESOLVERS
 79520 CONTROL TRANSFORMER
 79530 CONTROL TRANSMITTER
 79575 TORQUE RESOLVER
 79580 TORQUE TRANSMITTER
 796 TABS
 79600N.O.C.
 805 TANKS/TANK PARTS
 80500N.O.C.
 80510 CRYOGENIC FLUIDS
 80520 FUEL, EXOTIC
 80530 FUEL, HYDROCARBON
 80550 GAS, N.O.C.
 80570 OXIDIZERS, N.O.C.
 80580 PNEUMATIC
 80590 RAIL
 808 THERMOCOUPLES
 80800N.O.C.
 811 TIMERS AND PROGRAMMERS
 81100N.O.C.
 812 TIPS
 81200N.O.C.
 813 TIRES
 81300N.O.C.
 816 TOOLS
 81600N.O.C.
 81601 CUTTER
 81602 EXPANDER
 81603 FORMER
 817 TRANSCIEVERS

81700N.O.C.
 81710RADAR, AIRBORNE
 81740RADIO AND COMMUNICATION, AIRBORNE
 818 TRACKS
 81800N.O.C.
 851 TRANSDUCERS
 85100N.O.C.
 85110SELF-GENERATED
 85120EXTERNAL
 852 TRANSFORMERS
 85261ACCELERATION
 85203ALTIMETER
 85207CAPACITANCE
 85209CURRENT
 85214DIMENSION, LINEAR
 85215DEFLECTION OR HEADING
 85216DISTANCE
 85220DUCILITY
 85224ELASTICITY
 85227FREQUENCY
 85233HUMIDITY, ABSOLUTE
 85240LIGHT INTENSITY
 85243LIQUID LEVEL
 85245PHASE ANGLE
 85250PRESSURE, GAS
 85251PRESSURE, LIQUID
 85260RATE OF FLOW
 85263RATE OF TURN
 85265RESISTANCE
 85273SOUND
 85274TEMPERATURE
 85277VACUUM
 85279VELOCITY
 85280VIBRATION
 85285VOLTAGE
 903 TRAPS
 90300N.O.C.
 904 TRAYS
 90400N.O.C.
 905 TREADS
 90500N.O.C.
 906 TRIGGERS
 90600N.O.C.
 907 TRUNNIONS
 90700N.O.C.
 908 TRUSSES
 90800N.O.C.
 920 TUBES
 9200TORQUE
 92020VENTURE
 92030N.O.C.
 92040RAIN
 920500IL

92060PILOT
 921 TUBING, CASINGS, AND SLEEVING
 92100N.O.C.
 92115ALUMINUM
 92120GLASS
 92135STEEL, N.O.C.
 92140PLASTIC
 92145STEEL, CORROSION RESISTANT
 92160VINYL
 92170TITANIUM
 923 TURBINES
 92300N.O.C.
 92310COMPRESSOR
 92320GENERATOR
 92330GAS, HOT
 925 VALVES
 92500N.O.C.
 92510CRYOGENIC FLUIDS
 92520FUEL, EXOTIC
 92530FUEL, HYDROCARBON
 92540GAS, HOT
 92550GAS, N.O.C.
 92560HYDRAULIC
 92570OXIDIZERS, N.O.C.
 92580PNEUMATIC
 92590OIL
 930 VARES
 93000N.O.C.
 931 VENTS
 93100N.O.C.
 932 VESTS
 93200N.O.C.
 933 VIBRATORS
 93300N.O.C.
 934 VIEWFINDERS
 93400N.O.C.
 935 VISORS
 93500N.O.C.
 93510HOOD
 936 WALKWAYS
 93600N.O.C.
 93610CARGO COMPARTMENT
 938 WARNING DEVICES
 93800N.O.C.
 93810CELL
 93820BUZZER
 93830KEYER
 941 WAVEGUIDES AND MICROWAVE PLUMBING
 94100N.O.C.
 94102ATTENUATOR
 94130COPPER
 94132DETECTORS AND DETECTOR MOUNTS
 94140FLANGE

941551 SOLATOR
 94180 JUNCTION
 94185 MIXER
 94190 PHASE SHIFTER
 942 WEIGHTS
 94200N.O.C.
 944 WHEELS
 94400N.O.C.
 945 WINCHES
 94500N.O.C.
 94510W1ST
 946 WINDLASSES
 94600N.O.C.
 94610 DOOR
 947 WINGS
 94700N.O.C.
 94710 LOCK
 94720 PDX BEAM
 948 WINDSHIELDS
 94800N.O.C.
 94805 ENTER, FRONT
 94810 CLEAR VISION
 94815 GLASS, ARMOR
 94820 GLASS ESCAPE
 94825 INSTRUCTOR
 94830 SIDE
 94835 STUDENT
 949 WINDOWS
 94900N.O.C.
 94910 WINDSHIELD
 951 WIRE, CABLES AND HARNESES
 95100N.O.C.
 95102 ALUMINUM
 95112 CHROME-NICKEL ALLOY
 95118 COPPER
 95118 COPPER ALLOY AND BRONZE
 95150 NICKEL
 95170 SILVER
 95174 STEEL N.O.C.
 95175 STEEL, CORROSION RESISTANT
 95176 STEEL, COPPER CLAD
 960 YOKES
 96000N.O.C.
 96010 STATIC-LINE
 96020 20 MM GUN
 970 ZEES
 97000N.O.C.
 97010 INTERCOSTAL, 20 MM GUN

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

SECTION I FAILURE RATE DATA

| PART CLASS | C20 ACCELEROMETERS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX RPT SRCE REF NO |
|-----------------------------------|--------------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|-----------------------------|
| PART DESCRIPTION | | | | | | | | | |
| •OC M.O.C. | | | | | | | | | |
| (STORAGE) | | | MSL | * | 247591 | 2506 | 9.3 | 65 1254 | 00002000 |
| PITCH-CONTROL | | | GRD | * | 5116.88 | 3 | .00045 | 66 1245 | 00004000A |
| YAW-CONTROL | | | GRD | * | 7675.33 | 3 | .0003 | 66 1245 | 00006000A |
| STORAGE | | | | * | 238069 | | 9.672 | 66 258 | 00018000A |
| | | | AIR GND | * | 575.65 | | .094 | 58 212 | 00010000 |
| | | | AIR | * | 164.471 | 5100 | .014 | 61 1082 | 00012000 |
| | | | AIR | * | 14.1263 | 37 | .163 | 61 1083 | 00014000 |
| | | | SIM AIR | * | 2192.95 | 2 | .00125 | 64 1151 | 00016000A |
| | | | LAB | 2.8 | | | | 63 1138 | 00018000 |
| | | | AIR | 5.92 | | | | 66 216 | 00020000 |
| | | | AIR | 11.1524 | 19.5763 | 424 | .538 | 64 1266 | 00022000A |
| | | | AIR GND | 12.8205 | 49.8679 | | .078 | 58 212 | 00024000 |
| | | | AIR | 22.3048 | 33.2512 | | .538 | 63 2117 | 00026000 |
| | | | AIR | 27.8 | | | | U 219 | 00028000 |
| | | | AIR | 27.8 | | | | 59 212 | 00030000 |
| AJB-7-LOFT-BOMB-COMPUTER | | | AIR | 30.1204 | 117.159 | | .0332 | 65 1188 | 00032000 |
| AJB-3A-LOFT-BOMB-RELEASE-COMPUTER | | | AIR | 30.1386 | 80.2034 | | .06636 | 65 1188 | 00034000 |
| | | | AIR | 35.4074 | 67.7153 | | .09866 | U 212 | 00036000 |
| | | | AIR | 41.0228 | 91.3551 | | .07313 | 66 1241 | 00038000A |
| | | | AIR | 47.2366 | 183.736 | 45 | .02117 | 64 1144 | 00040000 |
| | | | AIR GND | 68.4931 | 127.05 | | .073 | 59 212 | 00042000 |
| | | | AIR | 129.653 | 186.404 | 63 | .10798 | 65 1155 | 00044000 |
| | | | AIR | 140 | | | | 61 1068 | 00046000 |
| | | | AIR | 140 | | | | U 219 | 00048000 |
| | | | AIR SHP GRD | 202.36 | 281.025 | | .084 | 59 212 | 00050000 |
| | | | AIR | 204.819 | 286.41 | | .083 | 59 1070 | 00052000 |
| LOW-ALTITUDE-BOMBING-SYSTEM | | | LAB | 240.384 | 639.699 | 45 | .00832 | 66 2004 | 00054000 |
| | | | AIR | 287.765 | 505.136 | | .02085 | 65 1188 | 00056000 |
| | | | AIR | 291.757 | 432.325 | 76 | .04113 | 66 1250 | 00058000 |
| FLIGHT-INSTRUMENTATION | | | AIR | 323.624 | 525.675 | 48 | .02472 | 65 1227 | 00060000 |
| | | | AIR SHP GRD | 350 | | | | 58 212 | 00062000 |
| | | | AIR | 410 | 1064.46 | 16 | .005 | 59 1110 | 00064000 |
| FLIGHT-INSTRUMENT-SYSTEM | | | AIR | 473.42 | 547.222 | 812 | .17532 | 64 1179 | 00066000 |
| FLIGHT-INSTRUMENT-SYSTEM | | | AIR | 498.818 | 564.187 | 946 | .22854 | 65 1228 | 00068000 |
| FLIGHT-INSTRUMENT-SYSTEM | | | AIR SHP GRD | 500 | 586.329 | | .138 | 59 212 | 00070000 |
| | | | AIR | 635.947 | 651.26 | | .538 | 63 2112 | 00072000 |
| | | | AIR | 905.263 | 1043.65 | | .095 | 63 2130 | 00074000 |
| | | | AIR | 1123.59 | 2502.17 | 36 | .00267 | 66 1256 | 00076000A |
| | | | GRD | 1265 | | | | 57 212 | 00078000 |
| TRACK-RADAR | | | MSL | 2500 | 4637.35 | | .002 | 57 212 | 00080000 |
| | | | AIR | 41.0396 | 91.3926 | | .0731 | 66 1263 | 00082000A |
| | | | AIR | 302.973 | 335.708 | 424 | .538 | 64 1266 | 00084000 |
| | | | AIR | 299.443 | 401.886 | | .07013 | 65 1188 | 00086000 |
| | | | AIR | 41.149 | | | .00574 | 65 1188 | 00088000 |
| | | | AIR | 918.836 | 1612.87 | 43 | .00653 | 66 1240 | 00090000 |

AJB-3A
AN-745-L3
ASA-32D
ASM-4

COUNTER-4-DIGIT, INDICATOR

HOME AIR DEVELOPMENT CENTER, GRIPPISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 02 ACCELEROMETERS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER 90 CONF LIMIT

PART POPU- LATION

PART HOURS

YR OF DATA

CROSS INDEX RPT SRC REF NO

N.O.C.

| | | | | | | | | | |
|---------------------------------|------------------------|-------------|---------|---------|-----|--------|----|------|-----------|
| DIAL | FLIGHT-INSTRUMENTATION | AIR | 845.41 | 1038.41 | 380 | .064 | 61 | 1080 | 00098000 |
| DIAL WA-1-MIL-A-25719 | | AIR | 83.3333 | 324.141 | 31 | .012 | 61 | 1082 | 00100000 |
| DIAL S-1000-MAXPLUG-MINUS | | AIR | 153.139 | 595.656 | 43 | .00653 | 66 | 1240 | 00096000 |
| CONTIN | | | | | | | | | |
| DIRECT-PEACING-B-6 | | AIR | 46.875 | 104.387 | 380 | .064 | 61 | 1080 | 00098000 |
| FLIGHT | | AIR | * | 164.471 | | .014 | 61 | 1082 | 00100000 |
| FLIGHT | | AIR | 233.128 | 289.489 | | .163 | 61 | 1083 | 00102000 |
| FLIGHT | | AIR | 526.315 | 672.194 | | .057 | 61 | 1084 | 00104000 |
| FLIGHTED-JEWEL-PIVOT | | AIR GND | 424.242 | 609.939 | 690 | .033 | 65 | 1221 | 00106000 |
| INERTIAL | | LAB | 44.2086 | 171.958 | 575 | .02262 | 64 | 1244 | 00108000 |
| LATERAL | | SIM GRD AIR | 66.5666 | 177.41 | 139 | .03 | 63 | 1117 | 00110000 |
| LATERAL | | SIM GRD AIR | 96.2 | 192.245 | 195 | .04158 | 64 | 1181 | 00112000A |
| LATERAL AN/ASA-32C | | AIR | 354.609 | 479.523 | | .0564 | 66 | 1241 | 00114000 |
| LATERAL ASA-32D | | AIR | 541.85 | 672.846 | | .07013 | 65 | 1188 | 00116000 |
| LATERAL TRANSFORMER | | AIR | 334.776 | 367.372 | | .59144 | 66 | 1241 | 00118000A |
| LATERAL YAM | | AIR | 2284.39 | 2491.21 | | .09937 | 63 | 1123 | 00120000A |
| LIMITING | | SIM GRD AIR | 168.35 | 283.09 | 195 | .04159 | 64 | 1181 | 00122000 |
| LIMITING | | SIM GRD AIR | 233.333 | 342.363 | 139 | .03 | 63 | 1117 | 00124000 |
| LINEAR ANALOG-PENCULOUS | | GRD | 237.079 | 439.767 | | .02109 | 62 | 1136 | 00126000 |
| FLIGHTED | | | | | | | | | |
| LINEAR INTEGRATING-FLIGHTED | | GRD | 1886.79 | 2175.23 | | .04558 | 62 | 1136 | 00128000 |
| LINEAR INTEGRATING-FLIGHTED | | LAB | * | 1354.47 | | .0017 | 62 | 1136 | 00130000 |
| PENCULOUS UNBALANCED-GYRO | | | | | | | | | |
| LINEAR INTEGRATING-FLIGHTED | | GRD | 470.588 | 606.385 | | .0995 | 62 | 1136 | 00132000 |
| PENCULOUS-VISCOUS-FLUID | | | | | | | | | |
| PULSE-OUTPUT | | | | | | | | | |
| LINEAR INTEGRATING-PULSE-TORQUE | | GRD | 1197.6 | 2393.27 | | .00534 | 62 | 1136 | 00134000 |
| LINEAR INTEGRATING UNBAL-CYRG | | LAB | * | 242.378 | | .0895 | 62 | 1136 | 00136000 |
| LINEAR INTEGRATING UNBAL-CYRG | | GRD | 215.924 | 350.734 | | .03795 | 62 | 1136 | 00138000 |
| LINEAR PITCH | | GRD | 126.582 | 492.367 | | .0079 | 62 | 1135 | 00140000 |
| LINEAR YAM | | GRD | 375.746 | 845.67 | | .0079 | 62 | 1135 | 00142000 |
| LINEAR 100138-A1-238-A11 | | GRD | * | 53.5488 | | .043 | 63 | 1096 | 00144000 |
| LINEAR 100471 | | GEN | 79.3319 | 92.3152 | | .958 | 62 | 1078 | 00146000 |
| LINEAR 100471 | | GRD | 115.196 | 139.866 | | .408 | 63 | 1096 | 00148000 |
| MA-1 | | AIR | 66.6666 | 259.313 | 68 | .015 | 63 | 1114 | 00150000 |
| MA-1 | | AIR | 93.3333 | 156.945 | 50 | .075 | 63 | 1114 | 00152000 |
| MA-1 | | AIR | 106.157 | 167.563 | 50 | .08478 | 63 | 1198 | 00154000 |
| MA-1 | | AIR | 154.675 | 212.737 | 100 | .11837 | 65 | 1198 | 00156000 |
| MA-1 | | AIR | 181.23 | 239.959 | 50 | .12691 | 65 | 1198 | 00158000 |
| MA-1 | | AIR | 215.969 | 294.347 | 102 | .088 | 63 | 1114 | 00160000 |
| MS-10025-1 | | AIR | 500 | 586.329 | | .138 | 59 | 1070 | 00162000 |
| NORMAL | | AIR | 749.063 | 1993.37 | 36 | .00267 | 66 | 1256 | 00164000A |
| AUTO-FLIGHT-CONTROL-SYSTEM | | | | | | | | | |

Rome Air Development Center, Griffiss AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 50% ACCELEROMETERS | | UPPER | | PART | YR | | CROSS |
|-----------------------------|------------------------|---------------|--------------|---------------|------------|------------|------------------|----------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | 50 CONF LIMIT | POPULATION | PART HOURS | OF DATA RPT SRCE | INDEX REF NO |
| .05 N.S.C. | | | | | | | | |
| PENDULOUS-GIMBAL | | GEN | 265.625 | 334.01 | | .128 | 62 | 1018 00165000 |
| PILOTS-WARNING | | AIR | 437.3 | 464.801 | 1194 | 1.0359 | 67 | 1272 00168000A |
| PITCH-CONTROL | SIGHT-SYSTEM | SIM GRD AIR * | | 82.9765 | 195 | .02775 | 64 | 1181 00170000A |
| SPRING-MASS | | AIR | 27.8 | | | | 57 | 211 00172000 |
| SPRING-PASS-TYPE. | | AIR | 30.3951 | 67.6879 | 533 | .0987 | 66 | 1255 00174000A |
| FLUID-FILLED | | | | | | | | |
| STRAIN-GAGE | | LAB | 8 | | | | 63 | 1138 00176000 |
| SWITCH | | AIR | 299.443 | 421.886 | | .07013 | 66 | 1241 00178000A |
| SYNCHRO | AUTOPILOT-MA-2 | AIR * | | 192.847 | 31 | .01194 | 63 | 1111 00180000 |
| TRANSDUCER-COUNTING-G-LEVEL | | AIR | 1225.11 | 1990 | 43 | .00653 | 66 | 1240 00182000 |
| TRANSMITTER | INTEGRATED-INST-SYSTEM | SIM GRD AIR * | | 71.9562 | 139 | .032 | 63 | 1117 00184000 |
| TRANSMITTER | INLEG-FLIGHT-NAV | AIR | 83.3332 | 185.577 | 245 | .036 | 61 | 1080 00186000 |
| TRIM-CUTOUT | FLIGHT-CONTROL | AIR | 354.609 | 479.523 | | .0564 | 66 | 1241 00188000 |

.10 G-LIMIT

| | | | | | | | | | | |
|------------|--|--|-----|---------|---------|--|--|--------|----|----------------|
| AN/ASA-32E | | | AIR | 372.34 | 459.721 | | | .0564 | 66 | 1241 00190000 |
| ASA-320 | | | AIR | 313.703 | 418.084 | | | .07013 | 63 | 1188 00192000 |
| SWITCH | | | AIR | 27.966 | 234.119 | | | .0144 | 66 | 1241 00194000A |

.20 GYRO STABILIZE

| | | | | | | | | | | |
|--------------------------|--|--|-----|---------|---------|--|--|-------|----|---------------|
| GYRO-STABILIZED-PLATFORM | | | AIR | 194.805 | 433.818 | | | .0154 | 65 | 1189 00196000 |
| PLATFORM | | | AIR | 194.805 | 433.818 | | | .0154 | 66 | 1241 00198000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 025 ACCUMULATORS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATATION | PART HOURS | YR | CROSS INDEX |
|-----------------------------------|------------------|------------------------|-------------|--------------|---------------------|---------------|------------|----------|-------------|
| | | | | | | | | | |
| PART DESCRIPTION | N.O.C. | | | | | | | | |
| | | | | | | | | | |
| VACUUM/PRESSURE-CALIB-RK-CHECKOUT | | | AIR | * | 13.3872 | 61 | 1084 | 00200000 | |
| | | | | | | | | | |
| (STORAGE) | | | GRD | * | 1096.47 | 62 | 141 | 00202000 | |
| | | | | | | | | | |
| | | | MSL | * | .01 | 57 | 212 | 00204000 | |
| | | | | | | | | | |
| | | | MSL | * | .046477C | 58 | 2217 | 00206000 | |
| | | | | | | | | | |
| | | | LAB | 7.2 | .180782C | 58 | 2217 | 00208000 | |
| | | | | | | | | | |
| | | | AIR | 18.4049 | 29.0511 | 61 | 1083 | 00212000 | |
| | | | | | | | | | |
| | | | AIR | 66.7 | 61 | 212 | 00214000 | | |
| | | | | | | | | | |
| | | | AIR | 70.6319 | 67.7077 | 63 | 2113 | 00216000 | |
| | | | | | | | | | |
| | | | AIR | 83.752 | 325.77 | 31 | .01194 | 63 | 1111 |
| | | | | | | | | | |
| | | | AIR | 83.7871 | 222.97 | 62 | .02387 | 63 | 1111 |
| | | | | | | | | | |
| | | | AIR | 90.9935 | 103.942 | 63 | 2113 | 00220000 | |
| | | | | | | | | | |
| | | | AIR | 129.625 | 186.37 | 63 | 2100 | 00224000 | |
| | | | | | | | | | |
| | | | AIR | 129.629 | 186.37 | 63 | 2107 | 00228000 | |
| | | | | | | | | | |
| | | | AIR | .39 | 57 | 211 | 00228000 | | |
| | | | | | | | | | |
| | | | AIR | 469.387 | 621.495 | 61 | 1082 | 00230000 | |
| | | | | | | | | | |
| | | | AIR | 565.445 | 732.13 | 124 | .04775 | 63 | 1111 |
| | | | | | | | | | |
| | | | AIR | 70P | 66 | 2361 | 00234000 | | |
| | | | | | | | | | |
| | | | AIR | 70P | 66 | 2361 | 00236000 | | |
| | | | | | | | | | |
| | | | AIR | 70P | 65 | 2361 | 00238000 | | |
| | | | | | | | | | |
| | | | AIR | 110P | 66 | 2364 | 00240000 | | |
| | | | | | | | | | |
| | | | AIR | 150P | 65 | 2362 | 00242000 | | |
| | | | | | | | | | |
| | | | LAB | .000583C | .001551C | 64 | 2217 | 00244000 | |
| | | | | | | | | | |
| | | | AIR | 64.8268 | 13.9975 | 304 | .1643 | 66 | 1250 |
| | | | | | | | | | |
| | | | AIR | 130P | 64 | 1155 | 00248000 | | |
| | | | | | | | | | |
| | | | AIR | 260P | 66 | 2361 | 00252000 | | |
| | | | | | | | | | |
| | | | AIR | 260P | 65 | 2361 | 00254000 | | |
| | | | | | | | | | |
| | | | AIR | 270P | 65 | 2364 | 00256000 | | |
| | | | | | | | | | |
| | | | AIR | 340P | 65 | 2361 | 00258000 | | |
| | | | | | | | | | |
| | | | AIR | 340P | 66 | 2364 | 00260000 | | |
| | | | | | | | | | |
| | | | AIR | 340P | 66 | 2364 | 00262000 | | |
| | | | | | | | | | |
| | | | AIR | 390P | 66 | 2364 | 00264000 | | |
| | | | | | | | | | |
| | | | AIR | 680P | 66 | 2362 | 00266000 | | |
| | | | | | | | | | |
| | | | LAB | 5.11688C | .435C | 63 | 2217 | 00268000 | |
| | | | | | | | | | |
| | | | LAB | .767533C | 3.0C | 63 | 2217 | 00270000 | |
| | | | | | | | | | |
| | | | GRD | 645.161 | 2509.48 | 23 | .00155 | 63 | 1125 |
| | | | | | | | | | |
| | | | GRD | 7675.33C | 39 | .0003C | 66 | 1245 | 00274000A |
| | | | | | | | | | |
| | | | LAB | 2.17021C | 1.0610C | 59 | 2217 | 00276000 | |
| | | | | | | | | | |
| | | | LAB | .228311 | .383917 | 64 | 2217 | 00278000 | |
| | | | | | | | | | |
| | | | AIR | 23.2868 | 192 | .09888 | 65 | 1227 | 00280000 |
| | | | | | | | | | |

51 GAS, N.O.C.

BLEED-AIR-COMPRESSOR-BASIC-ENGINE

ROMF AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 25 ACCUMULATORS | FUNCTIONAL APPLICATION | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR | CROSS OF DATA INDEX RPT SRCE REF NO | |
|-----------------|---------------------------------|------------------------|--------------|---------------------|-------------------|------------|----|-------------------------------------|--|
| HYDRAULIC FLUID | (STORAGE) | | 6.71501 | 26.11193 | | .14892 | 63 | 2111 00282030 | |
| | HYDRAULIC SYSTEM | AIR | 30.303 | 117.869 | 128 | .033 | 66 | 1225 00284010 | |
| | NO-3-HYDRAULIC-SYSTEM | AIR | 30.2951 | 56.3811 | 304 | .1645 | 66 | 1250 00286010 | |
| | BRAKE-WHEEL | AIR | 31.403 | 58.2508 | | .15922 | 63 | 1123 00288000A | |
| | LANDING-GEAR-STEERING | AIR | 31.403 | 58.2508 | | .15922 | 63 | 1123 00290000A | |
| | SOFT-START-AUXILIARY-POWER-UNIT | AIR | 48.6263 | 129.401 | 76 | .04113 | 66 | 1250 00292000 | |
| | NO-3-HYD-SYS | AIR | 60.6796 | 166.513 | 192 | .09888 | 65 | 1227 00294000 | |
| | BRAKE-EMERGENCY | AIR | 64.8268 | 109.01 | 63 | .10798 | 65 | 1155 00296000 | |
| | BRAKE-EMERGENCY | AIR | 79.5454 | 133.76 | 102 | .088 | 63 | 1114 00298000 | |
| | LANDING-GEAR | AIR | 79.5454 | 133.76 | 102 | .088 | 63 | 1114 00300000 | |
| HYDRAULIC FLUID | BRAKE-EMERGENCY | AIR | 94.526 | 142.632 | 100 | .11637 | 65 | 1193 00302000 | |
| | BRAKE-EMERGENCY | AIR | 149.712 | 214.11 | 50 | .12691 | 65 | 1198 00304000 | |
| | LANDING-GEAR | AIR | 165.471 | 222.081 | 50 | .12691 | 65 | 1198 00306000 | |
| | LANDING-GEAR | AIR | 171.865 | 232.416 | 100 | .11637 | 65 | 1198 00308000 | |
| | BRAKE-EMERGENCY | AIR | 180.18 | 243.649 | 640 | .111 | 61 | 1080 00310000A | |
| | BRAKE-EMERGENCY | AIR | 180.666 | 268.373 | 50 | .075 | 63 | 1114 00312000 | |
| | BRAKE-EMERGENCY | AIR | 188.723 | 264.821 | 50 | .08478 | 63 | 1198 00314000 | |
| | LANDING-GEAR | GRD | 200 | 777.94 | | .005 | 62 | 1072 00316000 | |
| | LANDING-GEAR | AIR | 203 | 445.386 | 68 | .015 | 63 | 1114 00318000 | |
| | FLAP/SLAT-SYSTEM | AIR | 210.526 | 259.948 | 152 | .19 | 64 | 1266 00320000A | |
| HYDRAULIC FLUID | PRESSURE-SUPPLY | AIR | 222.222 | 444.086 | 16 | .018 | 59 | 1110 00322000 | |
| | LANDING-GEAR | AIR | 226.666 | 314.748 | 50 | .075 | 63 | 1114 00324000 | |
| | LANDING-GEAR | AIR | 259.495 | 345.839 | 50 | .08478 | 63 | 1198 00326000 | |
| | LAUNCHER/ROOF-SKID | GRD | 351.851 | 479.676 | | .054 | 62 | 1141 00328000 | |
| | | AIR | 421.052 | 488.036 | | .190 | 63 | 2121 00330000 | |
| | AIR-REFUELING | AIR | 610.526 | 726.663 | | .095 | 63 | 2121 00332000 | |
| | | AIR | 800 | 1598.71 | 16 | .005 | 59 | 1110 00334000 | |
| | POWER-SUPPLY-CONTROL-SYSTEM | GRD | 909.09 | 3536.09 | | .00110 | 62 | 213 00336000 | |
| | | GRD | 917.431 | 3568.53 | 17 | .00109 | 62 | 1113 00338000 | |
| | | GRD | 260.869 | 4579.17 | | .0023 | 62 | 1135 00340000 | |
| HYDRAULIC FLUID | | AIR | 125 | 188.615 | 102 | .088 | 63 | 1114 00342000 | |
| | | AIR | 128.899 | 182.971 | 100 | .11637 | 65 | 1198 00344000 | |
| | | AIR | 133.333 | 354.82 | 68 | .015 | 63 | 1114 00346000 | |
| | AIR/AIR-MISSILE-(STORAGE) | AIR | 149.712 | 274.101 | 50 | .12691 | 65 | 1198 00348000 | |
| | | GRD | * | 3.05644 | 43 | .75336 | 64 | 1191 00350000 | |
| | | AIR | 79.5454 | 133.76 | 102 | .088 | 63 | 1114 00352000 | |
| | | AIR | 85.9328 | 132.393 | 100 | .11637 | 65 | 1198 00354000 | |
| | | AIR | 133.333 | 354.82 | 68 | .015 | 63 | 1114 00356000 | |
| | | AIR | 145.712 | 204.101 | 50 | .12691 | 65 | 1198 00358000 | |
| | | AIR | 471.809 | 582.568 | 50 | .08478 | 63 | 1198 00360000 | |
| HYDRAULIC FLUID | | AIR | 480 | 559.717 | 50 | .075 | 63 | 1114 00362000 | |
| | | GRD | 1338.76 | 1772.6 | | .01718 | 64 | 1163 00364000 | |
| | BALLISTIC-MISSILE-(STORAGE) | GRD | 24.7336 | 31.0691 | 30 | .5256 | 64 | 1191 00366000 | |
| | (STORAGE) | GRD | 57.0776 | 60.1781 | 600 | 10.512 | 64 | 1191 00368000 | |
| | (MISSIONS) | MGL | * | 23023M | | .0001M | 62 | 1136 00370000 | |
| | HYDRAULIC FLUID | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 227 ACUMULATORS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|--------------------------------|-----------------|--------------------------|-------------|--------------|---------------------|-----------------|------------|------------|----------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| PLENUM. P-2877.0-1 | | | AIR | 35.3159 | 48.146 | 424 | .538 | 64 | 1266 00372000A |
| POWER | | CONTROL-SYSTEM | AIR | 21.3315 | 26.4885 | | 1,7814 | 65 | 1196 00374000 |
| SOFT-START-APU | | | GRD | 6086.95 | 8751.3 | | .0023 | 62 | 1135 00376000 |
| SUSTAINER | | | AIR | 40.453 | 157.35 | 48 | .02472 | 65 | 1227 00378000 |
| UTILITY | | | GRD | 564.971 | 991.723 | | .01062 | 64 | 1163 00380000 |
| UTILITY | | | AIR | 66.8666 | 259.313 | 58 | .015 | 63 | 1114 00382000 |
| UTILITY | | | AIR | 111.712 | 162.91 | 100 | .11637 | 65 | 1198 00384000 |
| UTILITY | | | AIR | 238.636 | 320.276 | 102 | .088 | 63 | 1114 00386000 |
| UTILITY | | | AIR | 260.026 | 328.216 | 50 | .12691 | 65 | 1198 00388000 |
| UTILITY | | | AIR | 412.833 | 517.475 | 50 | .08478 | 63 | 1198 00390000 |
| UTILITY | | | AIR | 440 | 555.386 | 50 | .075 | 63 | 1114 00392000 |
| VERNIER | | HYDRAULIC-CONTROL-SYSTEM | GRD | * | 302.575 | | .00761 | 64 | 1163 00394000 |
| 100-CU-INCH | | HYDRAULIC-POWER.727 | AIR | 370P | | | | 66 | 2360 00396000 |
| 100-PSI | | BRAKE-WHEEL-AUX | AIR | 153.139 | 595.666 | 43 | .00653 | 65 | 1240 00398000A |
| 25-CU-INCH | | HYDRAULIC-POWER.727 | AIR | 282.994 | 282.261 | | .289 | 66 | 1263 00400000A |
| 300-PSI-102-CUBIC-INCH | | (P=MISSIONS) | AIR | 90P | | | | 66 | 2360 00402000 |
| 300-PSI-40-CUBIC-IN.10 - | | | AIR | 217.659 | 261.213 | | .2435 | 66 | 1263 00404000 |
| CUBIC-IN-RESERVOIR | | | MSL | * | 1151M | | .0002M | 62 | 1136 00406000 |
| 400PSI-5CU-IN.275PSI-N2-CHARGE | | ROTOR-BRAKE | GRD | 3663.79 | 5087.52 | | .00464 | 62 | 1336 00408000 |
| 4500-PSI-MAX.50-CUBIC-IN | | | HELI | 100 | 227.693 | 120 | .03 | 65 | 1215 00410000 |
| 50-CU-IN | | BRAKE-WHEEL-EMERGENCY | GEN | 292.397 | 778.114 | | .00684 | 62 | 1116 00412000 |
| 50CU-IN.300CPST | | | AIR | 317.577 | 389.113 | | .1351 | 66 | 1241 00414000A |
| | | | AIR | 1071.97 | 1802.58 | 43 | .00653 | 66 | 1140 00416000A |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 221 ACTUATORS | UPPER | PART | 90 CONF | PPU- LATION | YR | OF DATA | CRSS |
|--|------------------------|-----------------|-------------|----------|----------------|------|---------|-----------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | ENVIRONMENT | LIMIT | REPT | SRCE | INDEX | REF NO |
| LIMIT-SWITCH-LANDING-GEAR-MAIN | AIR | * | | 4.94353 | 400 | 65 | 1198 | 00419000 |
| EXPLOSIVE-GAS-PRESSURE-OUTPUT | LAB | * | | 116.883A | | 62 | 1136 | 00420000 |
| DOOR-ELECTRIC-AIR-SPOILER-PARATROOP | AIR | * | | 46.5736 | 96 | 65 | 1227 | 00422000 |
| RUDDER-TRIM-TAB | AIR | * | | 108.767 | 45 | 64 | 1144 | 00424000A |
| DOOR-LANDING-GEAR-NOSE-FORWARD | AIR | * | | 19.7868 | 100 | 65 | 1198 | 00426000 |
| DOOR-AIR-COOLING | AIR | * | | 192.847 | 31 | 63 | 1111 | 00428000 |
| RESCUE-HOIST-SYSTEM | HELL | * | | 846.544 | 108 | 63 | 1118 | 00430000 |
| POSITION-ANCHOR-CABLE-AIR-DRUP-SYS | AIR | * | | 46.5735 | 96 | 65 | 1227 | 00432000 |
| EXPLOSIVE-SHOCK-WAVE-OUTPUT | LAB | * | | 1439.12A | | 62 | 1136 | 00434000 |
| VALVE-JETTISON-FUEL-SYSTEM | AIR | * | | 46.5736 | 96 | 65 | 1227 | 00436000 |
| VALVE-SEPARATION-FUEL-DISTR-SYSTEM | AIR | * | | 46.5736 | 96 | 65 | 1227 | 00438000 |
| TRIM-STABILIZER-CONTROL | AIR | * | | 192.847 | 31 | 63 | 1111 | 00440000 |
| TOUCHDOWN-SWITCH-LANDING-GEAR-MAIN | AIR | * | | 9.07178 | 100 | 65 | 1198 | 00442000 |
| TOUCHDOWN-SWITCH-LANDING-GEAR-MAIN | AIR | * | | 9.89344 | 200 | 65 | 1198 | 00444000 |
| VALVE-BLEED-AIR-PNEUMATIC-SYS-APU | AIR | * | | 93.1472 | 48 | 65 | 1227 | 00446000 |
| TANDEN-ENGINE-POSITION-STAGE-1 | MSL | * | | .11513M | 8 | 65 | 1167 | 00448000A |
| (MINUTES) | | | | | | | | |
| SCREW-JACK-DOOR-HYDRAULIC-PETAL | AIR | * | | 55.9834 | 76 | 66 | 1250 | 00450000 |
| VALVE-SMOOTHER-LANDING-GEAR-MAIN | AIR | * | | 9.89344 | 200 | 65 | 1198 | 00452000 |
| | MSL | * | | 109.647 | | 61 | 212 | 00454000 |
| DOOR-ELECTRIC-AIR-SPOILER-PARATROOP | AIR | * | | 46.5736 | 96 | 65 | 1227 | 00456000 |
| VALVE-BLEED-AIR-PNEUMATIC-SYSTEM | AIR | * | | 27.9917 | 152 | 66 | 1250 | 00458000 |
| AUXILIARY-POWER-UNIT | AIR | * | | 55.9834 | 76 | 66 | 1250 | 00460000 |
| VALVE-JETTISON-FUEL-SYSTEM | AIR | * | | 27.9917 | 152 | 66 | 1250 | 00462000A |
| VALVE-SEPARATION-FUEL-DISTR-SYSTEM | AIR | * | | 27.9917 | 152 | 66 | 1250 | 00464000A |
| EXPLOSIVE-(STORAGE) | AIR | * | | .255318 | | 66 | 2524 | 00466000A |
| NEGATOR-TORQUE-SYSTEM | AIR | * | | 1.79079 | 708 | 65 | 1201 | 00468000 |
| PITCH-AXIS-STABILITY-AUGMENTER | AIR | * | | 1.93091 | 597 | 67 | 1272 | 00470000A |
| AUTO-PILOT | | | | | | | | |
| VEAT-ENGINE-NOZZLE-TURBOPROP-PLY | AIR | * | | 2.9488 | 200 | 63 | 1198 | 00472000 |
| FLIGHT-CONTROL | AIR | * | | 3.06748 | 8.16303 | 61 | 1083 | 00474000 |
| TUP-BUCKLE-AFTERBURNER-TURBOJET-J3 | AIR | * | | 3.27246 | 2436 | 64 | 1179 | 00476000 |
| VENT-ENGINE-NOZZLE-TURBOPROP-PHA- PLT | AIR | * | | 3.34448 | 200 | 63 | 1114 | 00478000 |
| CUT-OFF-FUEL-SYSTEM | AIR | * | | 5.37239 | 708 | 65 | 1201 | 00480000 |
| COOLING-BLAST-TUBE-TURBOPROP | AIR | * | | 5.89761 | 15.6944 | 63 | 1128 | 00482000 |
| CUT-OFF-FUEL-SYSTEM | AIR | * | | 6.41854 | 8.51629 | 68 | 1201 | 00484000 |
| VALVE-CROSSFEED-FUEL-DISTR-SYSTEM | AIR | * | | 6.71982 | 23.6495 | 66 | 1250 | 00486000A |
| COOLING-BLAST-TUBE-TURBOPROP | AIR | * | | 6.88896 | 17.8003 | 63 | 1114 | 00488000 |
| DOOR-LANDING-GEAR-NOSE-AFT | AIR | * | | 7.8796 | 30.6492 | 65 | 1198 | 00490000 |
| ALLEREA-CONTROL-SYSTEM | AIR | * | | 8.59324 | 33.4252 | 65 | 1198 | 00492000 |
| DOOR-LANDING-GEAR-NOSE-AFT | AIR | * | | 9.59228 | 33.4252 | 65 | 1198 | 00494000 |
| | LAB | 12.5 | | | | 63 | 1128 | 00496000 |
| SUSTAINER-SERVO | LAB | 12.5 | | | | 63 | 1128 | 00498000 |

-21 N.O.C.

NON-ELECTRONIC PART FAILURE RATE DATA

[illegible]

| FAILURE RATE | 90 CONF LIMIT | POPI- LATION | PART NUMS | % DATA | INDEX OF DIFFER |
|--------------|---------------|--------------|-----------|--------|-----------------|
| 100 | 100 | 100 | 100 | 100 | 100 |

[illegible]32

808E AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

| SECTION I | | | | | | | | | | | FAILURE RATE DATA | | | | | | | | | | |
|------------------|--|--|--|--|--|--|--|--|--|--|------------------------|--|--|--|--|--|--|--|--|--|--|
| PART CLASS | | | | | | | | | | | Q27 ACTUATORS | | | | | | | | | | |
| PART DESCRIPTION | | | | | | | | | | | FUNCTIONAL APPLICATION | | | | | | | | | | |
| UPPER | | | | | | | | | | | FAILURE | | | | | | | | | | |
| 90 COM | | | | | | | | | | | ENVIRONMENT RATE | | | | | | | | | | |
| UNIT | | | | | | | | | | | RATE | | | | | | | | | | |
| PART | | | | | | | | | | | PART | | | | | | | | | | |
| POPUL | | | | | | | | | | | PART | | | | | | | | | | |
| LATION | | | | | | | | | | | PART | | | | | | | | | | |
| HOURS | | | | | | | | | | | PART | | | | | | | | | | |
| OF DATA | | | | | | | | | | | PART | | | | | | | | | | |
| RPT SRCE | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| INDEX | | | | | | | | | | | PART | | | | | | | | | | |
| REF NO | | | | | | | | | | | PART | | | | | | | | | | |
| CROSS | | | | | | | | | | | PART | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POPULATION | PART LATION | PART HOURS | YR OF DATA INDEX | CROSS REF NO |
|-------------|--------------------------------------|------------------------|-------------|--------------|-------------|-----------------|-------------|------------|------------------|----------------|
| | | | | | | | | | | |
| -20 N.G.-C. | AILERON-ASSEMBLY | AIR | 200 | 445.386 | 68 | | | .015 | 63 | 1114 00672000 |
| | ELEVATOR-TRIM | AIR | 222.222 | 169.247 | | | | .216 | 63 | 2100 00674000 |
| | DOOR-ELECTRIC-ATC/SPOILER | AIR | 223.425 | 268.615 | 200 | | | .23274 | 63 | 1198 00676000 |
| | RUDDER | AIR | 231.578 | 308.634 | | | | .035 | 63 | 2122 00678000 |
| | VALVE-RED-BOUNDARY-LAYER-CONTROL | AIR | 235.141 | 285.498 | | | | .19988 | 66 | 1241 00680000 |
| | VALVE-CONTROL-HYDRAULIC-PITCH-TRIM | AIR | 243.131 | 374.584 | 76 | | | .04113 | 66 | 1250 00682000 |
| | TRIM-RODDER-CONTROL-SYSTEM | AIR | 243.131 | 374.584 | 76 | | | .04113 | 66 | 1250 00684000A |
| | SERVO-AILERON-RODDER-INTERCONNECT | AIR | 251.424 | 356.895 | | | | .05966 | 66 | 1241 00686000 |
| | SERVO-AILERON-RODDER-INTERCONNECT | AIR | 251.424 | 356.895 | | | | .05966 | 66 | 1241 00688000 |
| | RUDDER-TRIM | AIR | 253.623 | 317.909 | | | | .138 | 59 | 1070 00690000 |
| | INBOARD-DRAG | AIR | 266.055 | 341.27 | | | | .109 | 59 | 1070 00692000 |
| | RUDDER-TRIM | AIR | 272.727 | 387.134 | 320 | | | .035 | 61 | 1080 00694000A |
| | VALVE-OUTFLOW-CABIN-AIR-CONDITIONING | AIR | 282.137 | 327.021 | 75 | | | .28353 | 65 | 1196 00696000 |
| | SERVO-CABLE-WING-SPOILER-SYSTEM | AIR | 283.171 | 476.169 | 48 | | | .02472 | 65 | 1227 00698000 |
| | DOOR-GROUND-COILING-EQUIPMENT | AIR | 285.797 | 508.283 | 1194 | | | 1.035 | 67 | 1272 00700000 |
| | DOOR-LANDING-GEAR | AIR | 291.666 | 490.454 | 62 | | | .024 | 63 | 1111 00702000 |
| | DRIVE-OIL-COOLER-POWER-PLANT | AIR | 291.707 | 344.689 | 126 | | | .21597 | 65 | 1155 00704000 |
| | RUDDER-TRIM-FLIGHT-CONTROL-SYSTEM | AIR | 300.967 | 354.688 | 126 | | | .21597 | 65 | 1155 00706000 |
| | FLIGHT-CONTROL-DRAG-LEADING-EDGE | AIR | 306.278 | 815.053 | 43 | | | .00653 | 66 | 1240 00708000A |
| | RUDDER-TRIM-TAB-ASSEMBLY | AIR | 315.183 | 399.174 | 50 | | | .12691 | 65 | 1198 00710000 |
| | DOOR-ELECTRIC-LOUVER | AIR | 316.07 | 411.354 | 152 | | | .08226 | 66 | 1250 00712000A |
| | TRIM-PITCH-FLIGHT-CONTROLS | AIR | 317.404 | 364.731 | 75 | | | .28355 | 65 | 1196 00714000 |
| | AILERON-ASSEMBLY | AIR | 330.266 | 425.571 | 50 | | | .08478 | 63 | 1198 00716000 |
| | ELEVATOR-TRIM-TAB-ASSEMBLY | AIR | 332.333 | 618.313 | 68 | | | .015 | 63 | 1114 00718000 |
| | POWER-UNIT-FLAP-DRIVE | AIR | 333.333 | 466.125 | 31 | | | .012 | 63 | 1111 00720000 |
| | ELEVATOR-TRIM-TAB-ASSEMBLY | AIR | 335.137 | 414.961 | 100 | | | .11637 | 65 | 1198 00722000 |
| | DOOR-AIR-REFUELING | AIR | 335.148 | 544.394 | 62 | | | .02307 | 63 | 1111 00724000 |
| | AILERON-TRIM-TAB-ASSEMBLY | AIR | 340.909 | 435.398 | 102 | | | .088 | 63 | 1114 00726000 |
| | DOOR-OIL-COOLER | AIR | 342.121 | 475.067 | | | | .04969 | 63 | 1123 00728000 |
| | STABILIZER-FUEL-TRIM | AIR | 345.955 | 419.213 | | | | .13873 | 66 | 1241 00730000 |
| | DOOR-CAMERA | AIR | 346.675 | 523.105 | 61 | | | .03173 | 64 | 1144 00732000A |
| | FLIGHT-CONTROL | AIR | 356 | | | | | | 57 | 211 00734000 |
| | DOOR-WHEELWELL-LANDING-GEAR-MAIN | AIR | 356.02 | 494.368 | 124 | | | .04775 | 63 | 1111 00736000 |
| | AILERON-ASSEMBLY | AIR | 360 | 166.123 | 50 | | | .075 | 63 | 1114 00738000 |
| | DOOR-FLAT-CONTROL | HELI | 367.647 | 1430.03 | 108 | | | .00272 | 63 | 1118 00740000 |
| | AILERON-ASSEMBLY | AIR | 375 | 473.34 | 102 | | | .088 | 63 | 1114 00742000 |
| | SPOILER | AIR | 382.358 | 451.905 | 434 | | | .15712 | 63 | 1111 00744000 |
| | GEAR-DOOR-NOSE | AIR | 400 | 575.085 | 320 | | | .035 | 61 | 1080 00746000 |
| | TRIM-AILERON-CONTROL | AIR | 400 | 1064.46 | 16 | | | .005 | 59 | 1110 00748000 |
| | TRIM-STABILIZER-HORIZONTAL | AIR | 400 | 1064.46 | 16 | | | .005 | 59 | 1110 00750000 |
| | TRIM-RODDER-CONTROL-SYSTEM | AIR | 404.53 | 623.246 | 48 | | | .02472 | 65 | 1227 00752000 |
| | VALVE-CONTROL-HYDRAULIC-PITCH-TRIM | AIR | 404.53 | 623.246 | 48 | | | .02472 | 65 | 1227 00754000 |
| | AILERON-ASSEMBLY | AIR | 409.759 | 492.612 | 50 | | | .12691 | 65 | 1198 00756000 |
| | RUDDER-TRIM | AIR | 416.666 | 772.891 | 31 | | | .012 | 63 | 1111 00758000 |
| | GUN-CHARGER | AIR | 416.666 | 563.439 | 124 | | | .048 | 63 | 1111 00760000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 227 ACTUATORS

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90% LIMIT | PART POSITION | PART | YR | CROSS |
|---|------------------------|-------------|--------------|-----------------|---------------|------|--------|------------------|
| RESCUE-HOIST-SYSTEM | HELI | | 417.536 | 1111.12 | 108 | | .00479 | 63 1118 00762000 |
| STABILIZER | AIR | | 421.052 | 519.896 | | | .095 | 63 2122 00764000 |
| FLIGHT-CONTROL | AIR | | 428.571 | 526.413 | | | .098 | 61 1082 00766000 |
| SERVO-MH-67-AUTOMATIC-FLIGHT-CONTROL SYSTEM | AIR | | 435.453 | 492.001 | 189 | | .3072 | 64 1140 00768000 |
| SPOILER-INBOARD | AIR | | 444.444 | 721.927 | 64 | | .018 | 59 1110 00770000 |
| WINDSHIELD-WIPER-INSTRUMENT-SYSTEM | AIR | | 472.309 | 568.892 | 63 | | .10798 | 65 1155 00772000 |
| DOOR-ELECTRIC-VERTICAL-CAMERA | AIR | | 478.468 | 887.531 | 50 | | .01045 | 63 1198 00774000 |
| DOOR-ELECTRIC-ATO/SPOILER | AIR | | 484.595 | 545.534 | 100 | | .25382 | 65 1108 00776000 |
| DOOR-ELECTRIC-ATO/SPOILER | AIR | | 488.636 | 563.335 | 204 | | .176 | 63 1114 00778000 |
| FLAP-OIL-COOLER-ENGINE | AIR | | 489.502 | 541.874 | 200 | | .23912 | 63 1198 00780000 |
| PITCH-AXIS-STABILITY-AUGMENTER. | AIR | | 490.531 | 601.026 | 406 | | .08766 | 64 1179 00782000 |
| AUTO-PILOT | | | | | | | | |
| DOOR-ELECTRIC-LOUVER | AIR | | 505.663 | 661.634 | 96 | | .04944 | 65 1227 00784000 |
| ELEVATOR-TRIM-TAB-ASSEMBLY | AIR | | 520 | 643.854 | 50 | | .075 | 63 1114 00786000 |
| ELEVATOR-TRIM-TAB-ASSEMBLY | AIR | | 542.58 | 660.202 | 50 | | .08478 | 63 1198 00788000 |
| RUDDER-TRIM-TAB-ASSEMBLY | AIR | | 554.375 | 673.1 | 50 | | .08478 | 63 1198 00790000 |
| FLAP | AIR | | 601.449 | 665.798 | | | .276 | 59 1070 00792000 |
| RUDDER-TRIM-TAB | AIR | | 601.851 | 675.303 | | | .216 | 63 2100 00794000 |
| FLIGHT-CONTROL-LINEAR-TRIM | AIR | | 612.557 | 1224.12 | 43 | | .00653 | 66 1240 00796000 |
| TRIM | AIR | | 613.382 | 658.958 | | | .538 | 63 2115 00798000 |
| ELEVATOR-TRIM | AIR | | 618.181 | 777.519 | 320 | | .055 | 61 1080 00800000 |
| AILERON-TRIM | AIR | | 618.181 | 777.519 | 220 | | .055 | 61 1080 00802000 |
| SERVO | | | 625 | | | | | 65 2119 00804000 |
| POWER-PLANT-CONTROL | HELI | | 626.304 | 1394.73 | 108 | | .09479 | 63 1118 00806000 |
| DOOR-ELECTRIC-ATO/SPOILER | AIR | | 630.872 | 722.721 | 100 | | .149 | 63 1114 00808000 |
| DOOR-ELECTRIC-ATO/SPOILER | AIR | | 631.045 | 716.643 | 100 | | .16956 | 63 1198 00810000 |
| FLAP-OIL-COOLER-ENGINE | AIR | | 657.223 | 716.043 | 408 | | .323 | 63 1114 00812000 |
| ELEVATOR-TRIM-TAB-ASSEMBLY | AIR | | 693.181 | 821.375 | 102 | | .083 | 63 1114 00814000 |
| FLAP-OIL-COOLER-ENGINE | AIR | | 701.298 | 751.37 | 200 | | .30763 | 65 1198 00816000 |
| SPOILER-OUTBOARD | AIR | | 722.222 | 1053.21 | 64 | | .318 | 59 1110 00818000 |
| ELEVATOR-TRIM-TAB-ASSEMBLY | AIR | | 764.321 | 873.701 | 50 | | .12691 | 65 1198 00820000 |
| YAW-AXIS-STABILITY-AUGMENTER. | AIR | | 778.157 | 830.153 | 597 | | .51789 | 67 1272 00822000 |
| AUTO-PILOT | | | | | | | | |
| TRIM-STABILIZER-HORIZONTAL | AIR | | 792.65 | 1154.359 | | | .381 | 63 2120 00824000 |
| AIR-REFUEL-RECEPTACLE-TOGGLE | AIR | | 831.364 | 951.702 | 473 | | .11427 | 65 1228 00826000 |
| TRIM | HELI | | 833.333 | 1283.88 | 31 | | .312 | 63 1111 00828000 |
| CENTERING-STEERING-SYSTEM | AIR | | 835.945 | 1357.85 | 216 | | .30957 | 63 1118 00830000 |
| SERVO-ELECTRO-HYDRAULIC | AIR GND | | 842.336 | 3268.65 | 31 | | .03119 | 63 1111 00832000 |
| DOOR-ELECTRIC-GTC-INTAKE | AIR | | 842.105 | 776.073 | | | .095 | 58 212 00834000 |
| DOOR-ELECTRIC-GTC-INTAKE | AIR | | 850.996 | 365.845 | 50 | | .12691 | 65 1158 00836000 |
| DOOR-ELECTRIC-GTC-INTAKE | AIR | | 931.818 | 178.05 | 102 | | .088 | 63 1114 00838000 |
| ELLYON | AIR | | 992.857 | 1109.72 | 1280 | | .14 | 61 1060 00840000 |
| STABILIZER | AIR | | 1033.45 | 1091.77 | | | .538 | 63 2115 00842000 |
| TRIM-STABILIZER-HORIZONTAL | AIR | | 1138.1 | 1191.95 | 406 | | .08766 | 64 1179 00844000 |

.20 N.B.C.

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| 227 ACTUATORS | | | | | | | | | | | |
|---------------|----------------------------------|------------------------|-------------|--------------|---------------------|------------------|------------|------------|-------------|-----------|--------|
| PART CLASS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU-LATION | PART HOURS | YR OF DATA | CROSS INDEX | RPT SRCE | REF NO |
| .20 N.O.C. | | | | | | | | | | | |
| | TRIM | | HELI | 1104.97 | 1939.61 | 216 | .00543 | 63 | 1118 | 00846000 | |
| | DOWN LANDING GEAR MAIN | | AIR | 1192.73 | 1372.78 | | .07178 | 66 | 1241 | 00848000 | |
| | LANDING GEAR MAIN | | AIR | 1235.6 | 1468.4 | 124 | .04775 | 63 | 1111 | 00850000 | |
| | TRIM STABILIZER HORIZONTAL | | AIR | 1450.11 | 1520.27 | 597 | .51182 | 67 | 1272 | 00852000A | |
| | EMERGENCY THROTTLE | | HELI | 1470.58 | 2938.8 | 108 | .00272 | 63 | 1118 | 00854000 | |
| | OUTBOARD WING DOWN LEADING EDGE | | AIR | 1485.5 | 1583.82 | | .271 | 59 | 1070 | 00856000 | |
| | STEERING SYSTEM | | AIR | 1508.16 | 1884.29 | 62 | .02787 | 63 | 1111 | 00858000 | |
| | EMERGENCY THROTTLE | | HELI | 1876.91 | 2965.76 | 108 | .00479 | 63 | 1118 | 00860000 | |
| | SERVO ELECTRO-HYDRAULIC | | AIR SMD | 2000 | 3081.33 | | .065 | 58 | 212 | 00862000 | |
| | TRIM STABILIZER BUNGEE | | AIR | 2094.2 | 2261.06 | | .138 | 59 | 1070 | 00864000 | |
| | SIDE BRACE MAIN LANDING GEAR | | AIR | 2370.96 | 2441.75 | | .062 | 66 | 1241 | 00866000 | |
| | LUGGER BOOST | | AIR | 2722.22 | 2937.17 | | .109 | 63 | 2100 | 00868000 | |
| | VAN DAMPER | | AIR | 4842.1 | 5145.05 | 76 | .095 | 64 | 1266 | 00870000A | |
| | UTILITY ANTENNA DRIVE | | AIR GND | 6250 | 8177.8 | | .004 | U | 212 | 00872000 | |
| | ADJUSTABLE | | MSL | * | 320260 | 21 | .00001 | 64 | 1143 | 00874000A | |
| | ADJUSTABLE | | SIM MSL | * | 32894.2 | 135 | .00007 | 64 | 1143 | 00876000A | |
| | INSTRUCTOR SEAT | | AIR | 175024 | 465765 | 473 | .11427 | 65 | 1228 | 00878000 | |
| | INSTRUCTOR SEAT | | AIR | 342231 | 762126 | 406 | .08766 | 64 | 1179 | 00880000 | |
| | STUDENT SEAT | | AIR | 122516 | 176144 | 473 | .11427 | 65 | 1228 | 00882000 | |
| | INSTRUCTOR SEAT | | AIR | 225916 | 255107 | 597 | .51789 | 67 | 1272 | 00884000 | |
| | STUDENT SEAT | | AIR | 227847 | 257152 | 597 | .51789 | 67 | 1272 | 00886000 | |
| | STUDENT SEAT | | AIR | 250969 | 334476 | 406 | .08766 | 64 | 1179 | 00888000 | |
| | FLIGHT CONTROLS 707-131 | | AIR | 260P | | | | 65 | 2361 | 00890000 | |
| | FLIGHT CONTROLS 707-131 | | AIR | 270P | | | | 65 | 2364 | 00892000 | |
| | FLIGHT CONTROLS 707-131 | | AIR | 270P | | | | 65 | 2364 | 00894000 | |
| | AIR CONDITIONING 707-131B | | AIR | 60P | | | | 66 | 2361 | 00896000 | |
| | AIR CONDITIONING 707-331B | | AIR | 70P | | | | 66 | 2361 | 00898000 | |
| | AIR CONDITIONING 707-131 | | AIR | 110P | | | | 66 | 2362 | 00900000 | |
| | AIR CONDITIONING 331C/373C | | AIR | 510P | | | | 66 | 2365 | 00902000 | |
| | AIR SPEED STANDBY TYPE AVU-7/A | | AIR | 2166.66 | 2487.77 | 302 | .042 | 61 | 1080 | 00904000 | |
| | AIR VALVE CSD-AIR-OIL-COOLER | | AIR | 363636 | 96769 | 320 | .058 | 61 | 1080 | 00906000A | |
| | AIR VALVE ENGINE-AIR-OIL-COOLER | | AIR | 363636 | 96769 | 320 | .035 | 61 | 1080 | 00908000A | |
| | AIR VALVE SHROUD-GRO IND-COOLING | | AIR | * | 418654 | 320 | .055 | 61 | 1080 | 00910000 | |
| | ANT-AND-LIGHT | | AIR | 1925.92 | 2108.59 | | .108 | 63 | 2110 | 00912000 | |
| | ANTENNA TILT 458-36 | | AIR | 1005.02 | 1489.24 | 31 | .01194 | 63 | 1111 | 00914000 | |
| | APU-EXH | | AIR | 200P | | | | 66 | 2365 | 00916000 | |
| | APU-EXH | | AIR | 300P | | | | 65 | 2365 | 00918000 | |
| | AUXILIARY POWER UNIT-EXCHANGE | | AIR | 430P | | | | 66 | 2363 | 00920000 | |
| | AUXILIARY POWER UNIT-EXH | | AIR | 560P | | | | 66 | 2360 | 00922000 | |
| | BALLISTIC BOTTOM THRUST | | AIR | 114.854 | 255.773 | 172 | .02612 | 66 | 1240 | 00924000A | |
| | BALLISTIC KPEE-ELEVATION | | AIR | 306.278 | 497.5 | 172 | .02612 | 66 | 1240 | 00926000A | |

KOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 227 ACTUATORS | UPPER | PART | YR | CROSS |
|-----------------------------|------------------------------|--------------|---------------|------------|-------------------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | 90 CONF LIMIT | PART HOURS | OF DATA INDEX RPT SPCE REF NO |
| *26 N-9-C. | | | | | |
| BEAM-MAIN-LANDING-GEAR | LANDING-GEAR-727 | 120P | | | 66 2363 00928000 |
| BLEED-VALVE | COMPRESSOR | 20.9424 | 55.7308 248 | .0955 | 63 1111 00930000 |
| BLEED-VALVE | COMPRESSOR | 44.2347 | 69.822 | .20346 | 63 1123 00932000 |
| BLEED-VALVE | COMPRESSOR | 114.285 | 228.387 320 | .035 | 61 1080 00934000 |
| BOOST | TIP-BRAKE | 3030.3 | 8064.09 6 | .02066 | 62 1157 00936000 |
| BOOST-LATERAL | | 1515.15 | 5893.48 6 | .00066 | 62 1157 00938000 |
| BOOST-LONGITUDINAL | | 1515.15 | 5893.48 6 | .00066 | 62 1157 00940000 |
| BOOSTER-ROCKER | RUDDER-FLIGHT-CONTROL-SYSTEM | 1361.36 | 1516.84 63 | .10798 | 64 1155 00942000 |
| BOOSTER-SERVE | | 12.5 | | | 63 1138 00944000 |
| BYPASS-BELL MOUTH | | 190.463 | 245.425 | .14701 | 65 1188 00946000 |
| BYPASS-BELL MOUTH-DELE-ACT. | | 190.463 | 245.425 | .14701 | 65 1241 00948000 |
| ORLE-END | | | | | |
| DIRECTIONAL | | 835.073 | 1668.75 108 | .00479 | 63 1118 00950000 |
| DUMP-VALVE | | 2205.88 | 3872.29 108 | .00272 | 63 1118 00952000 |
| ECCENTRIC | LANDING-GEAR-MAIN | 189.472 | 236.726 | .190 | 63 2120 00954000 |
| ELECTRO-MECHANICAL | TRACK | 61.2276 | 48.2219 124 | .04775 | 63 1111 00956000 |
| ELECTRO-MECHANICAL | | 104.493 | 222.356 200 | .06533 | 63 1118 00958000 |
| ELECTRO-MECHANICAL | TRACK | 374.531 | 278.072 432 | .01914 | 63 1118 00960000 |
| ELECTRO-MECHANICAL | | 1285.13 | 1456.81 300 | .00267 | 63 1118 00962000 |
| EMERGENCY-WING-FLAP | (STORAGE) | 1285.13 | 1853.4 432 | .01036 | 63 1118 00964000 |
| EMERGENCY-WING-FLAP | FLIGHT-CONTROLS-707-331 | 140P | | | 65 2440 00966000 |
| EMERGENCY-WING-FLAP | FLIGHT-CONTROLS-707-331 | 140P | | | 66 2351 00968000 |
| EMERGENCY-WING-FLAP | FLIGHT-CONTROLS-707-331 | 150P | | | 65 2364 00970000 |
| EMERGENCY-WING-FLAP | FLIGHT-CONTROLS-707-331 | 170P | | | 66 2364 00972000 |
| EQUIPMENT-GROUND | DOOR-AIR-CEILING | 313.667 | 363.463 946 | .22854 | 65 1228 00974000 |
| EQUIPMENT-GROUND | DOOR-AIR-CEILING | 376.454 | 443.078 812 | .17532 | 64 1179 00976000 |
| EXPLOSIVE | FIRE-EXTINGUISHER-SYSTEM | 10.8049 | 21.5925 684 | .3702 | 66 1250 00978000 |
| FAN-REVERSE-SHOOT | EXHAUST-7-7-131B | 10P | | | 66 2361 00980000 |
| FAN-REVERSE-SHOOT | EXHAUST-7-7-131B | 20P | | | 66 2362 00982000 |
| FAN-REVERSE-SHOOT | EXHAUST-7-7-131B | 30P | | | 66 2364 00984000 |
| FAN-REVERSE-SHOOT | EXHAUST-7-7-131B | 40P | | | 65 2362 00986000 |
| FAN-REVERSE-SHOOT | EXHAUST-7-7-131B | 40P | | | 66 2361 00988000 |
| FAN-REVERSE-SHOOT | EXHAUST-7-7-131B | 40P | | | 66 2362 00990000 |
| FLAP-IRON | EXHAUST-707-131B | 1168.42 | 1275.46 | .190 | 63 2122 00992000 |
| FORWARD-THRUST-REVERSE | EXHAUST-707-131B | 10P | | | 66 2362 00994000 |
| FORWARD-THRUST-REVERSE | EXHAUST-707-131B | 20P | | | 66 2362 00996000 |
| FORWARD-THRUST-REVERSE | EXHAUST-707-131B | 20P | | | 66 2362 00998000 |
| FORWARD-THRUST-REVERSE | EXHAUST-707-131B | 30P | | | 65 2361 01000000 |
| FORWARD-THRUST-REVERSE | EXHAUST-707-131B | 30P | | | 66 2364 01002000 |
| FORWARD-THRUST-REVERSE | EXHAUST-707-131B | 40P | | | 66 2361 01004000 |
| FORWARD-THRUST-REVERSE | EXHAUST-707-131B | 40P | | | 66 2364 01006000 |
| FORWARD-THRUST-REVERSE | EXHAUST-707-131B | 40P | | | 66 2361 01008000 |
| FORWARD-THRUST-REVERSE | EXHAUST-707-131B | 40P | | | 65 2364 01010000 |
| FUEL-DUMP-LATCH | FUEL-707-131 | 120P | | | 66 2362 01012000 |
| GROUND-SPOILER | FLIGHT-CONTROLS-727 | 20GP | | | 66 2365 01014000 |

ROME AIR DEVELOPMENT CENTER, GRIFFIN'S AFB, N.Y.
 SECTION I
 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 027 ACTUATORS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT RATE | UPPER 90 CONF LIMIT | PART LATENCY | PART HOURS | VR | CRSS | OF DATA INDEX | RPT SRCE REF NO |
|----------------|---------------|--------------------------|------------------------|------------------|---------------------|--------------|------------|----|------|---------------|-----------------|
| -20 N.O.C. | | | | | | | | | | | |
| GROUND-SPOLLER | | | | | | | | | | | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-727 | AIR | 220P | | | | 66 | 2363 | 01016000 | |
| L-E-FLAP-I-D | | FLIGHT-CONTROLS-707-131B | AIR | 30P | | | | 65 | 2364 | 01018000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 30P | | | | 66 | 2364 | 01020000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 30P | | | | 66 | 2361 | 01022000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 30P | | | | 66 | 2361 | 01024000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 30P | | | | 66 | 2362 | 01026000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 40P | | | | 65 | 2362 | 01028000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 90P | | | | 65 | 2362 | 01030000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 1CP | | | | 65 | 2364 | 01032000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 2CP | | | | 66 | 2364 | 01034000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 40P | | | | 66 | 2361 | 01036000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 20P | | | | 66 | 2362 | 01038000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 20P | | | | 66 | 2361 | 01040000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 30P | | | | 66 | 2364 | 01042000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 60P | | | | 66 | 2362 | 01044000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 100P | | | | 66 | 2364 | 01046000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 130P | | | | 66 | 2365 | 01048000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 50P | | | | 66 | 2365 | 01050000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 80P | | | | 65 | 2364 | 01052000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 100P | | | | 66 | 2364 | 01054000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 2,50620 | 9,74862 | | .399 | 61 | 1084 | 01056000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 6.9 | | | | 63 | 1138 | 01058000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 15,869 | 20,0862 | | 2,129 | 61 | 1083 | 01060000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 235,015 | 245,393 | | 3,804 | 57 | 212 | 01062000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 938,775 | 1077,07 | | .098 | 61 | 1082 | 01064000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 70P | | | | 66 | 2365 | 01066000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 23,2558 | 43,1381 | 558 | .213 | 63 | 911 | 01068000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 107,142 | 188,073 | | .056 | 61 | 1082 | 01070000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 523,093 | 715,086 | 90 | .04238 | 64 | 1144 | 01072000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 142,058 | 572,014 | 20 | .0088 | 66 | 1257 | 01074000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 231,213 | 575,369 | 40 | .0248 | 66 | 1257 | 01076000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 236,779 | 577,292 | 40 | .01267 | 66 | 1257 | 01078000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 333,177 | 471,865 | 151 | .107 | 66 | 1234 | 01080000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 231,576 | 306,634 | | .093 | 63 | 2122 | 01082000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 140P | | | | 66 | 2361 | 01084000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 280P | | | | 65 | 2360 | 01086000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 90P | | | | 65 | 2363 | 01088000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 140P | | | | 66 | 2360 | 01090000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 200P | | | | 65 | 2360 | 01092000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 60P | | | | 66 | 2363 | 01094000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 70P | | | | 66 | 2361 | 01096000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 110P | | | | 66 | 2361 | 01098000 | |
| L-E-FLAP-I-B | | FLIGHT-CONTROLS-707-131B | AIR | 110P | | | | 66 | 2361 | 01100000 | |

PRIME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 7 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION HOURS | YR | SF DATA INDEX | CROSS REF NO |
|------------|------------------|------------------------|-------------|--------------|---------------------|-------------------|--------|---------------|--------------|
| | | | | | | | | | |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 130P | | | 66 | 2361 | 01104000 |
| | | | | 250P | | | 66 | 2363 | 01106000 |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 110P | | | 66 | 2364 | 01108000 |
| | | | | 150P | | | 66 | 2364 | 01108000 |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 90P | | | 66 | 2360 | 0112000 |
| | | | | 90P | | | 66 | 2360 | 0112000 |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 110P | | | 66 | 2363 | 01116000 |
| | | | | 70P | | | 66 | 2362 | 01118000 |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 90P | | | 66 | 2364 | 0112000 |
| | | | | 130P | | | 66 | 2361 | 01124000 |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 140P | | | 66 | 2362 | 01126000 |
| | | | | 150P | | | 66 | 2364 | 01128000 |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 150P | | | 66 | 2362 | 01130000 |
| | | | | * | 93.1472 | 48 | -02472 | | |
| 20 | N-9-C. | 27 ACTUATORS | AIR | * | 55.9834 | 76 | -04113 | | |
| | | | | 310P | | | 66 | 2364 | 01136000 |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 510P | | | 66 | 2364 | 01138000 |
| | | | | 550P | | | 66 | 2361 | 01140000 |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 260P | | | 66 | 2361 | 01142000 |
| | | | | 600P | | | 66 | 2362 | 01144000 |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 210P | | | 66 | 2365 | 01146000 |
| | | | | 270P | | | 66 | 2360 | 01148000 |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 280P | | | 66 | 2361 | 01150000 |
| | | | | 680P | | | 66 | 2363 | 01152000 |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 130P | | | 66 | 2364 | 01154000 |
| | | | | 270P | | | 66 | 2364 | 01156000 |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 120P | | | 66 | 2361 | 01158000 |
| | | | | 130P | | | 66 | 2362 | 01160000 |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 190P | | | 66 | 2364 | 01162000 |
| | | | | 180P | | | 66 | 2360 | 01164000 |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 200P | | | 66 | 2360 | 01166000 |
| | | | | 7.24637 | 28.1862 | | 59 | 1070 | 01168000 |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 1369.56 | 1506.26 | | 59 | 1070 | 01170000 |
| | | | | 48.6263 | 97.1742 | 152 | .08226 | | |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 500P | | | 66 | 2365 | 01172000 |
| | | | | 510P | | | 66 | 2365 | 01174000 |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 510P | | | 66 | 2365 | 01176000 |
| | | | | 140P | | | 66 | 2360 | 01178000 |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 150P | | | 66 | 2365 | 01180000 |
| | | | | 70P | | | 66 | 2360 | 01182000 |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 90P | | | 66 | 2364 | 01184000 |
| | | | | 170P | | | 66 | 2360 | 01186000 |
| 20 | N-9-C. | 27 ACTUATORS | AIR | 240P | | | 66 | 2360 | 01188000 |
| | | | | | | | | | |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | Q27 ACTUATORS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|---------------------------|---------------|--------------------------------------|-------------|--------------|---------------------|-------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| RAM-DUCT-INLET | | AIR-CONDITIONING-707-331B | AIR | 280P | | | | 66 | 2362 01190000 |
| RETRACT-MAIN-LANDING-GEAR | | | AIR | 100P | | | | 65 | 2330 01192000 |
| RETRACT-NOSE-LANDING-GEAR | | | AIR | 200P | | | | 65 | 2330 01194000 |
| ROTARY | | BALLISTIC-EJECTION-SYSTEM | AIR | 4,3756 | 17,0197 | 945 | .22854 | 65 | 1228 01196000 |
| ROTARY | | BALLISTIC-EJECTION-SYSTEM | AIR | 12,0818 | 17,3044 | 1194 | 1,0357 | 67 | 1272 01198000 |
| ROTARY | | BALLISTIC-EJECTION-SYSTEM | AIR | 22,8155 | 45,594 | 812 | .17332 | 64 | 1179 01200000 |
| ROTARY | | AUTO-FLIGHT-CONTROL-SYSTEM | SIM GND AIR | 192.4 | 312.522 | 195 | .04158 | 64 | 1181 01202000 |
| ROTARY | | AUTO-FLIGHT-CONTROL-SYSTEM | SIM GND AIR | 233.333 | 392.363 | 199 | .03 | 63 | 1117 01204000 |
| ROTARY | | LATCH-RADOME | AIR | 7575.75 | 14052.5 | 6 | .00066 | 62 | 1157 01206000 |
| ROTARY 115V-400CPS | | FLIGHT-CONTROLS-707-331 | AIR | 459.418 | 1023.09 | 43 | .00653 | 65 | 1240 01208000 |
| HUGGER-TRIM-CONTROL | | FLIGHT-CONTROLS-331C/373C | AIR | 310P | | | | 65 | 2964 01210000 |
| HUGGER-TRIM-CONTROL | | FLIGHT-CONTROLS-331C/373C | AIR | 500P | | | | 66 | 2365 01212000 |
| SINGLE-END-SHORT-STROKE | | DOOR-HYDRAULIC-AUX-AIR-DOUBLE-ACTING | AIR | 44,5103 | 70,2571 | | .2022 | 66 | 1241 01214000 |
| SMALL | | UTILITY | LAB | 3.6 | | | | 63 | 1138 01216000 |
| SMALL | | UTILITY | AIR | 19,8556 | 23,3235 | | 3.423 | 61 | 1083 01218000 |
| SMALL | | UTILITY | AIR | 24,8175 | 31,2142 | | 1.37 | 61 | 1034 01220000 |
| SMALL | | UTILITY-ANTENNA-DRIVE | AIR GND | 128,598 | 137,482 | | 3,2791 | 57 | 212 01222000 |
| SMALL | | UTILITY | AIR | 190.470 | 309.397 | | .042 | 61 | 1082 01224000 |
| SMALL | | UTILITY | AIR GND | 667 | | | | U | 212 01226000 |
| SPOILER | | FLIGHT-CONTROLS-707-131B | AIR | 20P | | | | 66 | 2362 01228000 |
| SPOILER | | FLIGHT-CONTROLS-707-131B | AIR | 20P | | | | 66 | 2362 01230000 |
| SPOILER | | FLIGHT-CONTROLS-707-331B | AIR | 20P | | | | 66 | 2364 01232000 |
| SPOILER | | FLIGHT-CONTROLS-707-131B | AIR | 30P | | | | 66 | 2364 01234000 |
| SPOILER | | FLIGHT-CONTROLS-707-331 | AIR | 30P | | | | 66 | 2361 01236000 |
| SPOILER | | FLIGHT-CONTROLS-707-131B | AIR | 30P | | | | 65 | 2361 01238000 |
| SPOILER | | FLIGHT-CONTROLS-707-131B | AIR | 30P | | | | 65 | 2361 01240000 |
| SPOILER | | FLIGHT-CONTROLS-707-331B | AIR | 40P | | | | 65 | 2361 01242000 |
| SPOILER | | FLIGHT-CONTROLS-707-131B | AIR | 50P | | | | 65 | 2364 01244000 |
| SPOILER | | FLIGHT-CONTROLS-707-131 | AIR | 60P | | | | 66 | 2364 01246000 |
| SPOILER | | FLIGHT-CONTROLS-707-131 | AIR | 60P | | | | 66 | 2362 01248000 |
| SPOILER | | FLIGHT-CONTROLS-331C/373C | AIR | 70P | | | | 65 | 2363 01250000 |
| SPOILER | | FLIGHT-CONTROLS-707-331 | AIR | 80P | | | | 65 | 2364 01252000 |
| SPOILER | | FLIGHT-CONTROLS-707-331 | AIR | 90P | | | | 65 | 2362 01254000 |
| SPOILER | | FLIGHT-CONTROLS-707-331B | AIR | 90P | | | | 66 | 2364 01256000 |
| SPOILER | | FLIGHT-CONTROLS-707-131 | AIR | 100P | | | | 65 | 2364 01258000 |
| SPOILER | | FLIGHT-CONTROLS-707-131 | AIR | 120P | | | | 66 | 2362 01260000 |
| SPOILER | | FLIGHT-CONTROLS-331C/373C | AIR | 120P | | | | 66 | 2362 01262000 |
| SPOILER | | FLIGHT-CONTROLS-707-331B | AIR | 120P | | | | 66 | 2361 01264000 |
| SPOILER | | FLIGHT-CONTROLS-331C/373C | AIR | 120P | | | | 65 | 2360 01266000 |
| SPOILER | | FLIGHT-CONTROLS-331C/373C | AIR | 130P | | | | 66 | 2365 01268000 |
| SPOILER | | FLIGHT-CONTROLS-707-331 | AIR | 130P | | | | 66 | 2364 01270000 |
| SPOILER | | FLIGHT-CONTROLS-331C/373C | AIR | 130P | | | | 65 | 2365 01272000 |
| SPOILER | | FLIGHT-CONTROLS-707-131 | AIR | 130P | | | | 65 | 2361 01274000 |
| SPOILER | | FLIGHT-CONTROLS-707-331B | AIR | 150P | | | | 66 | 2362 01276000 |

-20 N.B.C.

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | C27 ACTUATORS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATIGN HOURS | YR | CRGSS |
|-----------------|---------------|---------------------------|------------------------|-------------|--------------|---------------------|-------------------|----|---------------|
| | | | | | | | | | |
| SPOLLER | | FLIGHT-CONTROLS.707-331 | AIR | 160P | | | | 66 | 2361 01278000 |
| SPOLLER | | FLIGHT-CONTROLS.707-331 | AIR | 170P | | | | 66 | 2362 01280000 |
| SPOLLER | | FLIGHT-CONTROLS.707-331 | AIR | 190P | | | | 66 | 2362 01282000 |
| SPOLLER | | FLIGHT-CONTROLS.331C/373C | AIR | 190P | | | | 66 | 2363 01284000 |
| SPOLLER | | FLIGHT-CONTROLS.331C/373C | AIR | 200P | | | | 66 | 2363 01286000 |
| SPOLLER | | FLIGHT-CONTROLS.707-331B | AIR | 250P | | | | 66 | 2362 01288000 |
| SPOLLER | | FLIGHT-CONTROLS.707-331B | AIR | 260P | | | | 66 | 2361 01290000 |
| SPOLLER | | FLIGHT-CONTROLS.331C/373C | AIR | 940P | | | | 66 | 2360 01292000 |
| SPOLLER | | FLIGHT-CONTROLS.727 | AIR | 60P | | | | 66 | 2360 01294000 |
| SPOLLER-OB-WG | | FLIGHT-CONTROLS.707-331 | AIR | 310P | | | | 66 | 2364 01296000 |
| STABILIZER | | FLIGHT-CONTROLS.331C/373C | AIR | 490P | | | | 65 | 2363 01298000 |
| STABILIZER | | FLIGHT-CONTROLS.331C/373C | AIR | 500P | | | | 66 | 2360 01300000 |
| STABILIZER | | FLIGHT-CONTROLS.331C/373C | AIR | 510P | | | | 66 | 2365 01302000 |
| STABILIZER | | FLIGHT-CONTROLS.331C/373C | AIR | 560P | | | | 65 | 2363 01304000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.707-131B | AIR | 130P | | | | 66 | 2362 01306000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.707-131B | AIR | 130P | | | | 65 | 2361 01308000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.707-131B | AIR | 130P | | | | 66 | 2364 01310000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.707-131 | AIR | 220P | | | | 66 | 2364 01312000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.707-131B | AIR | 230P | | | | 66 | 2361 01314000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.707-131 | AIR | 230P | | | | 66 | 2364 01316000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.727 | AIR | 240P | | | | 66 | 2363 01318000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.707-131B | AIR | 240P | | | | 66 | 2361 01320000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.707-331B | AIR | 240P | | | | 66 | 2362 01322000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.707-131 | AIR | 250P | | | | 66 | 2362 01324000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.707-331B | AIR | 280P | | | | 66 | 2362 01326000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.707-331B | AIR | 280P | | | | 66 | 2361 01328000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.707-331 | AIR | 310P | | | | 65 | 2364 01330000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.727 | AIR | 340P | | | | 65 | 2363 01332000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.727 | AIR | 370P | | | | 66 | 2360 01334000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.707-331B | AIR | 390P | | | | 66 | 2364 01336000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.707-331B | AIR | 420P | | | | 65 | 2364 01338000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.707-131B | AIR | 420P | | | | 65 | 2364 01340000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.331C/373C | AIR | 480P | | | | 65 | 2362 01342000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.331C/373C | AIR | 500P | | | | 66 | 2360 01344000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.707-331B | AIR | 530P | | | | 65 | 2362 01346000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.727 | AIR | 550P | | | | 65 | 2360 01348000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.727 | AIR | 560P | | | | 66 | 2360 01350000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.707-331 | AIR | 560P | | | | 66 | 2361 01352000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.707-331 | AIR | 630P | | | | 66 | 2364 01354000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.707-331 | AIR | 930P | | | | 66 | 2362 01356000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.331C/373C | AIR | 980P | | | | 65 | 2365 01358000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.331C/373C | AIR | 1000P | | | | 66 | 2365 01360000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.727 | AIR | 1010P | | | | 66 | 2365 01362000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.331C/373C | AIR | 1120P | | | | 65 | 2363 01364000 |
| STABILIZER-TRIM | | FLIGHT-CONTROLS.707-331 | AIR | 2020P | | | | 66 | 2364 01366000 |

*20 N.S.C.

NAME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 127 ACTUALS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POSITION | PART LOCATION | HOURS | YR | CRSS | 8F DATA INDEX | RPT SRCE REF N6 |
|---------------------|-------------|------------------------|-------------|--------------|---------------------|---------------|---------------|--------|----|------|---------------|-----------------|
| TAIL-SKID-RET | | LANDING-GEAR.727 | AIR | 210P | | | | | 66 | 2365 | 01368000 | |
| TAIL-SKID-RET | | LANDING-GEAR.727 | AIR | 240P | | | | | 66 | 2363 | 01370000 | |
| TAIL-SKID-RET | | LANDING-GEAR.727 | AIR | 630P | | | | | 66 | 2363 | 01372000 | |
| TAIL-SKID-RET | | LANDING-GEAR.727 | AIR | 680P | | | | | 65 | 2363 | 01374000 | |
| TAIL-SKID-RETRACTOR | | LANDING-GEAR.727 | AIR | 180P | | | | | 66 | 2360 | 01376000 | |
| TAIL-SKID-RETRACTOR | | LANDING-GEAR.727 | AIR | 370P | | | | | 66 | 2360 | 01378000 | |
| THROST-THIM | | | AIR | 210P | | | | | 65 | 2330 | 01380000 | |
| THROST-REV | | EXHAUST.800 | AIR | 20P | | | | | 66 | 2363 | 01382000 | |
| THROST-REV | | EXHAUST.800 | AIR | 20P | | | | | 65 | 2363 | 01384000 | |
| THROST-REV | | EXHAUST.800 | AIR | 20P | | | | | 65 | 2360 | 01386000 | |
| THROST-REV | | EXHAUST.800 | AIR | 40P | | | | | 66 | 2360 | 01388000 | |
| THROST-REV | | EXHAUST.800 | AIR | 40P | | | | | 66 | 2363 | 01390000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 20P | | | | | 66 | 2365 | 01392000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 20P | | | | | 66 | 2365 | 01394000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 60P | | | | | 65 | 2365 | 01396000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 90P | | | | | 65 | 2362 | 01398000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 12P | | | | | 66 | 2361 | 01400000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 20P | | | | | 66 | 2364 | 01402000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 20P | | | | | 65 | 2362 | 01404000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 20P | | | | | 66 | 2364 | 01406000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 30P | | | | | 65 | 2361 | 01408000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 30P | | | | | 65 | 2364 | 01410000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 30P | | | | | 66 | 2364 | 01412000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 30P | | | | | 66 | 2362 | 01414000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 40P | | | | | 65 | 2362 | 01416000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 40P | | | | | 66 | 2364 | 01418000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 60P | | | | | 66 | 2364 | 01420000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 60P | | | | | 66 | 2362 | 01422000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 60P | | | | | 66 | 2361 | 01424000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 70P | | | | | 66 | 2361 | 01426000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 80P | | | | | 66 | 2364 | 01428000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 90P | | | | | 65 | 2362 | 01430000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 638.837 | 745.742 | 473 | | .11427 | 65 | 1228 | 01432000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 924.024 | 1070.42 | 406 | | .08766 | 64 | 1179 | 01434000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 1475.83 | 1545.21 | | | .538 | 63 | 2115 | 01436000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 2584.21 | 10106.4 | | | .095 | 63 | 2122 | 01438000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 51P | | | | | 66 | 2360 | 01440000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 50P | | | | | 66 | 2360 | 01442000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 50P | | | | | 66 | 2365 | 01444000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 160P | | | | | 65 | 2365 | 01446000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 160P | | | | | 65 | 2360 | 01448000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 76.5696 | 297.833 | 86 | | .01326 | 66 | 1240 | 01450000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 157.671 | 406.282 | 86 | | .0131 | 66 | 1240 | 01452000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 612.557 | 1221.12 | 43 | | .00653 | 66 | 1240 | 01454000 | |
| THROST-REVERSE | | EXHAUST.800 | AIR | 150P | | | | | 66 | 2360 | 01456000 | |

20 M.O.C.

ADME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 577 ADJUSTERS

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 95 CONF LIMIT | PART LATENCY | Y' CROSS DATA INDEX |
|------------------|-------------------------|-------------|--------------|---------------------|--------------|---------------------|
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 150P | | | 65 2360 01458000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 270P | | | 65 2365 01460000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 350P | | | 66 2365 01461000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 390P | | | 66 2360 01464000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 420P | | | 66 2365 01466000 |
| 14-ENG-19 | THRUSTLE-CONTROL-ENGINE | HELL | 423.333 | 631.931 | 120 | 65 1215 01460000 |
| 14-ENG-19 | THRUSTLE-CONTROL-ENGINE | HELL | 666.666 | 501.573 | 120 | 65 1215 01460000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 80P | | | 65 2360 01470000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 50P | | | 66 2365 01474000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 150P | | | 66 2365 01476000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 220P | | | 66 2360 01480000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 310P | | | 66 2365 01480000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 650P | | | 65 2365 01482000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 100P | | | 66 2360 01484000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 150P | | | 65 2365 01484000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 220P | | | 66 2360 01485000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 240P | | | 66 2360 01490000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 80P | | | 66 2365 01490000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 50P | | | 66 2365 01494000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 80P | | | 66 2360 01494000 |
| 14-ENG-19 | AIR-CONVEYING-88C | HELL | 703.333 | 951.091 | 240 | 65 1215 01496000 |

| | | | | | | | |
|-----------|-------------------|-----|---------|---------|----|------|------------------|
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 3714.28 | 4465.57 | 6J | .014 | 61 1080 01500000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 80P | | | | 65 2590 01500000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 1.23P | | | | 65 2590 01504000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 1.54P | | | | 65 2590 01504000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 2.46P | | | | 65 2590 01508000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 3.11P | | | | 65 2590 01510000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 3.55P | | | | 65 2590 01512000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 4.15P | | | | 65 2590 01514000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 4.91P | | | | 65 2590 01516000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 5.93P | | | | 65 2590 01518000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 7.14P | | | | 65 2590 01520000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 8.54P | | | | 65 2590 01522000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 1.33P | | | | 65 2590 01524000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 1.53P | | | | 65 2590 01526000 |
| 14-ENG-19 | AIR-CONVEYING-88C | AIR | 7.06P | | | | 65 2590 01528000 |

ADME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA
NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968
PART CLASS 577 ADJUSTERS
FUNCTIONAL APPLICATION
ENVIRONMENT
FAILURE RATE
UPPER 95 CONF LIMIT
PART LATENCY
Y' CROSS DATA INDEX
AIRCRAFT UTILIZATION-EQUIPMENT
HELL
63 1118 01530000

2000 AIR SUPPLEMENT UNIT, CRAPLES AFB, N.Y.

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 95 CONF LIMIT | PART | REF DATA INDEX | REF SRC |
|-------------------------------|-------------|--------------|---------------------|---------|----------------|----------------|
| US/LOW-LAND LANDING-ROSE | AIR | 93.1472 | 48 | 0.07472 | 65 | 1227 0132000 |
| AIR-FLAP-REVERSE-SYSTEM | GRD | 1.09178 | 48 | 2.11 | 64 | 1191 01534000 |
| CLIMBER-APPROX-GEAR | AIR | 352.610 | 43 | 0.0653 | 66 | 1240 01536000A |
| LANDING-GEAR-ROSE | AIR | 55.9834 | 76 | 0.0413 | 66 | 1250 01338000A |
| FLAP-ROSE | AIR | 0.0834 | 56 | 0.0746 | 65 | 1211 01540000A |
| FLAP-STALL-WARN-SYSTEM | AIR | 46.5726 | 56 | 0.04944 | 65 | 1227 01542000 |
| FLAP-ROSE | AIR | 53.9034 | 76 | 0.0413 | 66 | 1250 01544000A |
| SUBMER-4 TEST-GEAR | WIL | 4.813224 | 630 | 0.1304 | 66 | 1250 01546000A |
| STORAGE | AIR | 175.369 | 36 | 0.1304 | 66 | 1240 01548000A |
| SCREW-JACK-DOOR-PELAL | AIR | 3.09233 | 48 | 0.0746 | 65 | 1211 01550000 |
| UP/LOW-LOCK-LANDING-GEAR-ROSE | AIR | 93.1472 | 48 | 0.07472 | 65 | 1227 01552000 |
| FLAP-ASSEMBLY | AIR | 55.9834 | 76 | 0.0413 | 66 | 1250 01554000A |
| FLAP-ROSE | AIR | 19.7868 | 360 | 0.11637 | 63 | 1198 01556000 |
| FLAP-ROSE | AIR | 93.1472 | 48 | 0.07472 | 65 | 1227 01558000 |
| STORAGE | GRD | 22.1877 | 443396 | 18.028 | 63 | 1211 01560000 |
| STORAGE | GRD | 22.1877 | 443396 | 18.028 | 63 | 1211 01562000 |
| FLAP-ROSE | AIR | 5.16872 | 13.8026 | 0.1304 | 65 | 1207 0156400 |
| FLAP-ROSE | AIR | 7.65026 | 20.7033 | 0.1304 | 66 | 1240 01566000A |
| FLAP-ROSE | AIR | 9.3022 | 23.495 | 0.0656 | 63 | 1211 01568000 |
| FLAP-ROSE | AIR | 8.59326 | 23.495 | 0.0656 | 63 | 1211 01570000 |
| FLAP-ROSE | AIR | 12.308 | 15.1974 | 0.0656 | 64 | 1191 01572000 |
| FLAP-ROSE | AIR | 20.2243 | 79.6751 | 0.0656 | 65 | 1227 01574000 |
| FLAP-ROSE | AIR | 24.2331 | 64.7009 | 0.0656 | 66 | 1250 01576000 |
| FLAP-ROSE | AIR | 24.2331 | 64.7009 | 0.0656 | 66 | 1250 01578000A |
| FLAP-ROSE | AIR | 27.2704 | 37.4132 | 0.0656 | 64 | 1191 01580000 |
| FLAP-ROSE | AIR | 36.6697 | 91.2156 | 0.0656 | 64 | 1250 01582000 |
| FLAP-ROSE | AIR | 38.5848 | 101.881 | 0.0656 | 66 | 1240 01584000A |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01586000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01588000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01590000A |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01592000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01594000A |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01596000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01598000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01600000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01602000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01604000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01606000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01608000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01610000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01612000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01614000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01616000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01618000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01620000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01622000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01624000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01626000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01628000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01630000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01632000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01634000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01636000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01638000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01640000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01642000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01644000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01646000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01648000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01650000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01652000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01654000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01656000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01658000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01660000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01662000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01664000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01666000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01668000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01670000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01672000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01674000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01676000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01678000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01680000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01682000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01684000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01686000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01688000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01690000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01692000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01694000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01696000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01698000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01700000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01702000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01704000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01706000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01708000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01710000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01712000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01714000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01716000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01718000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01720000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01722000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01724000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01726000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01728000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01730000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01732000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01734000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01736000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01738000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01740000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01742000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01744000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01746000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01748000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01750000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01752000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01754000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01756000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01758000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01760000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01762000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01764000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01766000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01768000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01770000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01772000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01774000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01776000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01778000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01780000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01782000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01784000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01786000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01788000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01790000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01792000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01794000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01796000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01798000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01800000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01802000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01804000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01806000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01808000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01810000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01812000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01814000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01816000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01818000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01820000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01822000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01824000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01826000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01828000 |
| FLAP-ROSE | AIR | 40.853 | 101.851 | 0.0656 | 65 | 1227 01830000 |

AERIAL AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
 SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 027 ACTUATORS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|------------|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

ROBIE AIR DEVELOPMENT CENTER, GRIFFISS AFB, MISS. JANUARY 1969
SECTION I FAILURE RATE DATA

| NON-ELECTRONIC PART FAILURE RATE DATA | | | | | | | | | |
|---------------------------------------|---------------|------------------------|-------------|--------------|---------------------|---------------|---------------|-------------------|-----------------------------|
| PART CLASS | 027 ACTUATORS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POSITION | PART LOCATION | YR OF DATA | CROSS INDEX RPT SRCE REF NO |
| -60 HYDRAULIC | | | | | | | | | |
| DOUBLE-ACTING-LINEAR-PISTON-CYLINDER | | | LAB | * | .403965C 1 | 5.7C | | 64 1197 01706000A | |
| DOUBLE-ACTING-LINEAR-PISTON-CYLINDER | | | LAB | * | 46.052C 1 | .25C | | 64 1197 01706000A | |
| DOUBLE-ACTING-LINEAR-PISTON-CYLINDER | | | LAB | * | 9.2104C 1 | .25C | | 64 1197 01710000A | |
| DOUBLE-ACTING-LINEAR-PISTON-CYLINDER | | | LAB | * | .403965C 1 | 5.7C | | 64 1197 01712000A | |
| DOUBLE-ACTING-LINEAR-PISTON-CYLINDER | | | LAB | * | 46.052C 1 | .05C | | 64 1197 01714000A | |
| PARALLEL-VALVE/2TRANS-VALVE | | | GEN | 2339.18 | 3282.39 | .00684 | | 62 1136 01718000 | |
| PIN-VALVE | | | LAB | .645161C | 2.50948C 3 | .155C | | 65 1264 01718000A | |
| PISTON-TYPE | | | AIR | .14P | | | | 65 2590 01720000 | |
| PISTON-TYPE | | | AIR | .72P | | | | 65 2590 01722000 | |
| PISTON-TYPE | | | AIR | .16P | | | | 65 2590 01724000 | |
| -60 PNEUMATIC | | | | | | | | | |
| PISTON-TYPE-ASSEMBLY | | | AIR | .1P | | | | 65 2590 01726000 | |
| PISTON-TYPE-ASSEMBLY | | | AIR | .1P | | | | 65 2590 01728000 | |
| PISTON-TYPE-ASSEMBLY | | | AIR | .1P | | | | 65 2590 01730000 | |
| PISTON-TYPE-CYLINDER | | | AIR | .05P | | | | 65 2590 01732000 | |
| PISTON-TYPE-CYLINDER | | | AIR | .16P | | | | 65 2590 01734000 | |
| PISTON-TYPE-CYLINDER | | | AIR | .2P | | | | 65 2590 01736000 | |
| PISTON-TYPE-CYLINDER | | | AIR | .21P | | | | 65 2590 01738000 | |
| PISTON-TYPE-CYLINDER | | | AIR | .32P | | | | 65 2590 01740000 | |
| PISTON-TYPE-CYLINDER | | | AIR | .44P | | | | 65 2590 01742000 | |
| PISTON-TYPE-CYLINDER | | | AIR | .72P | | | | 65 2590 01744000 | |
| PISTON-TYPE-LATCH-CYLINDER | | | AIR | .16P | | | | 65 2590 01746000 | |
| PISTON-TYPE-UPLOCK-ASSEMBLY | | | AIR | .08P | | | | 65 2590 01748000 | |
| PISTON-TYPE-UPLOCK-ASSEMBLY | | | AIR | .72P | | | | 65 2590 01750000 | |
| PUSHER | | STALL-WARN-SYSTEM | AIR | 2.47P | | | | 65 2590 01752000 | |
| SOLENOID | | | AIR | 24.3131 | 64.7009 152 | .00226 | | 66 1320 01754000A | |
| TANDEN-2CYL/TRANS-VALVE | | | AIR | 71.4285 | 190.082 | .028 | | 61 1082 01756000 | |
| COOPER | | | GEN | 803.506 | 1070.86 | .02738 | | 62 1136 01758000 | |
| ISQUIET | | ALIO-STAB-EQPT-COINT | HELI | 200 | 351.07 120 | .03 | | 65 1215 01760000 | |
| | | HOIST-BOOM-RESCUE | HELI | 266.666 | 433.156 120 | .03 | | 66 1215 01762000 | |
| -60 PNEUMATIC | | | | | | | | | |
| ENGINE-ANTI-ICE | | | AIR | 12.158 | 32.3541 304 | .1645 | | 66 1250 01764000L | |
| HEATER-VALVE | | | AIR | 30.3398 | 67.5647 192 | .09888 | | 65 1227 01766000 | |
| HEATER-VALVE | | | AIR | 36.4741 | 64.0249 394 | .1645 | | 66 1250 01768000A | |
| SHUTOFF-OVERBOARD-DUCT | | | AIR | 48.6322 | 78.9951 304 | .1645 | | 66 1250 01770000A | |
| ENGINE-ANTI-ICE | | | AIR | 141.585 | 203.559 192 | .05886 | | 65 1227 01772000 | |
| CANOPY-JETTISON | | | AIR | 153.139 | 407.526 66 | .01306 | | 66 1240 01774000A | |

| RONE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. | | NONELECTRONIC PART FAILURE RATE DATA | | | | | JANUARY 1968 | |
|---|------------------------|--------------------------------------|---------|------------|--------|------------------|-----------------|--|
| SECTION I | | FAILURE RATE DATA | | | | | | |
| PART CLASS | C27 ACTUATORS | UPPER | | PART | YR | CRGSS | | |
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE | 90 CONF | POPULATION | PART | 5F DATA INDEX | RPT SRCE REF NO | |
| | | ENVIRONMENT RATE | LIMIT | LATION | HOURS | | | |
| .80 PNEUMATIC | | 242.718 | 319.412 | 192 | .09888 | 65 1227 01778000 | | |
| | SHUTOFF.OVERBOARD-DUCT | AIR | | | .007 | 61 1082 01780000 | | |
| | | AIR | 328.942 | | | | | |
| SALENGID | | | | | | | | |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | CZE ADAPTERS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|--------------------------------------|--------------|------------------------|---------------|--------------|---------------------|-------------|------------|------------|----------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| CO | N.O.C. | | | | | | | | |
| OPTICAL-DISPLAY-SIGHT | | | SIM GRD AIR * | 82.9765 | 195 | | .02775 | 64 | 1181 01782000A |
| WING-FLAP-SYSTEM | | | AIR | 9.32982 | 426 | | .2468 | 64 | 1250 01784000A |
| WING-FLAP-SYSTEM | | | AIR | 15.5245 | 288 | | .14832 | 65 | 1227 01786000 |
| F-111 | | | AIR | 791.271 | | | .00291 | 62 | 2700 01788000 |
| SEARCH-RACAP-ASG-15-FIRE-CONTROL-SYS | | | AIR | 192.847 | 31 | | .01194 | 65 | 1111 01790000 |
| STEERING-LANDING-GEAR | | | AIR | 52.9834 | 76 | | .04113 | 66 | 1250 01792000A |
| STEERING-LANDING-GEAR | | | AIR | 93.1472 | 48 | | .02472 | 65 | 1227 01794000 |
| AN/APR-6 | | | AIR | 220.344 | 50 | | .01045 | 63 | 1198 01796000 |
| BURSEIGHT | | | LAB | 2.44 | | | | 63 | 1138 01798000 |
| FUEL-SYSTEM | | | AIR | 5.23587 | 496 | | .19099 | 63 | 1111 01800000 |
| BOOST-BLOCK-ZOMM-GUN | | | GRD | 10R | | | .IR | 64 | 1134 01802000 |
| RATE-PITCH-ELEVATOR-CONTROL-SYSTEM | | | AIR | 121.359 | 48 | | .02472 | 63 | 1227 01804000 |
| TRIM-TAB-AUTOPILOT-SYSTEM | | | AIR | 189.052 | 130 | | .11637 | 65 | 1198 01806000 |
| COMPASS-ALL-ATTITUDE-REFERENCE | | | SIM GRD AIR | 285.714 | 440.19 | | .035 | 63 | 1117 01808000 |
| COMPASS-ALL-ATTITUDE-REFERENCE | | | SIM GRD AIR | 343.364 | 476.794 | 195 | .04951 | 64 | 1181 01810000A |
| RATE-PITCH-ELEVATOR-CONTROL-SYSTEM | | | AIR | 364.697 | 517.685 | 76 | .04113 | 66 | 1250 01812000A |
| COMPASS-G-2 | | | AIR | 416.356 | 454.32 | 424 | .538 | 64 | 1266 01814000 |
| BOX-DUAL-AN/ASA-31-JULIE-TARGET-COMP | | | AIR | 1310.23 | 1595.59 | 48 | .06869 | 64 | 1162 01816000 |
| AN/ASN-28-RADAR-TRANSMITTER | | | AIR | 8035.32 | 855.18 | 63 | .04642 | 64 | 1155 01818000 |
| INERTIAL-NAVIGATION-SET-AN/ASN-56 | | | AIR | 4444.4 | 72192.7 | | .00018 | 66 | 1241 01820000A |
| AUTO-PILOT-7-7-331 | | | AIR | 34CP | | | | 65 | 2362 01822000 |
| F-111 | | | AIR | 179.211 | 697.078 | | .00558 | 62 | 2700 01824000 |
| F-111 | | | AIR | * | 412.652 | | .00558 | 62 | 2700 01826000 |
| F-111 | | | AIR | * | 412.652 | | .00558 | 62 | 2700 01828000 |
| F-111 | | | AIR | 1071.42 | 1880.73 | | .0056 | 62 | 2700 01830000 |
| GENERATOR | | | AIR | 272.251 | 397.025 | 124 | .04775 | 63 | 1111 01832000 |
| TRIM-TAB-AUTOPILOT-SYSTEM | | | AIR | 39.3979 | 73.0309 | 50 | .12691 | 65 | 1198 01834000 |
| TRIM-TAB-AUTOPILOT-SYSTEM | | | AIR | 45.4545 | 90.8357 | 102 | .088 | 63 | 1114 01836000 |
| TRIM-TAB-AUTOPILOT-SYSTEM | | | AIR | 401.037 | 504.406 | 50 | .08478 | 63 | 1198 01838000 |
| TA - TAB-AUTOPILOT-SYSTEM | | | AIR | 426.666 | 540.57 | 50 | .075 | 63 | 1114 01840000 |
| PRESSURE-REFUELING-SYSTEM | | | AIR | 159.707 | 229.614 | 406 | .08766 | 64 | 1179 01842000 |
| PRESSURE-REFUELING-SYSTEM | | | AIR | 175.024 | 236.677 | 473 | .11427 | 65 | 1228 01844000 |
| PRESSURE-REFUELING-SYSTEM | | | AIR | 384.251 | 421.565 | 597 | .51789 | 67 | 1272 01846000 |
| F-111 | | | AIR | 3846.15 | 5125.51 | | .00572 | 62 | 2700 01848000 |
| HYDRAULIC-POWER-SUPPLY | | | AIR | 2.1878 | 8.50988 | 1892 | .45708 | 65 | 1228 01850000 |
| HYDRAULIC-POWER-SUPPLY | | | AIR | 22.8154 | 37.0599 | 1624 | .35064 | 64 | 1179 01852000 |
| HYDRAULIC-POWER-SUPPLY | | | AIR | 30.4127 | 35.9365 | 2388 | 2.0715 | 67 | 1272 01854000 |
| AN/AIC-18-INTERPHONE | | | AIR | 498.818 | 564.187 | 946 | .22854 | 65 | 1228 01856000 |
| AN/AIC-18-INTERPHONE | | | AIR | 501.939 | 577.709 | 812 | .17532 | 64 | 1179 01858000 |
| U/S2-U/U-AN/AIC-18-INTERPHONE | | | AIR | 491.455 | 520.535 | 1194 | 1.0357 | 67 | 1272 01860000A |
| INTERPHONE-AIC-18 | | | AIR | 176.859 | 241.11 | 279 | .10743 | 65 | 1111 01862000 |
| AUTOPILOT-JUNCTION-BOX | | | AIR | 19.7868 | 100 | | .11637 | 65 | 1198 01864000 |
| AUTOPILOT-JUNCTION-BOX | | | AIR | 23.6387 | 52.642 | 50 | .12691 | 65 | 1198 01866000 |
| AUTOPILOT-JUNCTION-BOX | | | AIR | 34.0909 | 75.9181 | 102 | .088 | 63 | 1114 01868000 |
| AUTOPILOT-JUNCTION-BOX | | | AIR | 47.1809 | 94.2857 | 50 | .08478 | 63 | 1198 01870000 |

ROME AIR DEVELOPMENT CENTER, GEORGETOWN AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS Q28 ADAPTERS

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA | CROSS INDEX RPT SRCE REF NO |
|------------------------|-------------------------------|-------------|--------------|---------------------|-------------------|------------|------------|-----------------------------|
| PHASE | AUTOPILOT-JUNCTION-BBX | AIR | 53.3333 | 106.58 | 50 | .075 | 63 | 1114 01872000 |
| POWER | NAVIGATIONAL-INSTRUMENTATION | AIR | 63.72 | 80.4301 | 597 | .51789 | 67 | 1272 01874000 |
| POWER | NAVIGATIONAL-INSTRUMENTATION | AIR | 96.2632 | 145.253 | 473 | .11427 | 65 | 1228 01876000 |
| POWER | NAVIGATIONAL-INSTRUMENTATION | AIR | 114.077 | 175.754 | 406 | .08766 | 64 | 1179 01878000 |
| POWER-STANDBY | ALL-ATTITUDE-REFERENCE | SIM GRD AIR | * | 46.5077 | 195 | .04951 | 64 | 1181 01880000 |
| PRESSURE | RACAR-BEACON-APN-69 | AIR | * | 192.847 | 31 | .01194 | 63 | 1111 01882000 |
| PRESSURE-FILLER-OIL | TURBOJET-J-85 | AIR | * | 10.2752 | 946 | .22854 | 65 | 1228 01884000 |
| PRESSURE-FILLER-OIL | TURBOJET-J-85 | AIR | 9.81739 | 38.1867 | 812 | .10185 | 64 | 1179 01886000 |
| REFUELING-SINGLE-POINT | FUEL-SYSTEM | AIR | * | 46.5736 | 96 | .05944 | 65 | 1227 01888000 |
| REFUELING-SINGLE-POINT | FUEL-SYSTEM | AIR | 23.5904 | 62.7777 | 50 | .08478 | 63 | 1198 01890000 |
| REFUELING-SINGLE-POINT | FUEL-SYSTEM | AIR | 24.3131 | 64.7009 | 152 | .08226 | 66 | 1250 01892000 |
| REFUELING-SINGLE-POINT | FUEL-SYSTEM | AIR | 26.6666 | 70.964 | 50 | .075 | 65 | 1114 01894000 |
| REFUELING-SINGLE-POINT | FUEL-SYSTEM | AIR | 47.2175 | 82.9887 | 50 | .12651 | 63 | 1198 01896000 |
| REFUELING-SINGLE-POINT | FUEL-SYSTEM | AIR | 56.8181 | 105.394 | 102 | .088 | 63 | 1114 01898000 |
| REFUELING-SINGLE-POINT | FUEL-SYSTEM | AIR | 68.7462 | 111.667 | 100 | .11637 | 65 | 1198 01900000 |
| SIGNAL | FLT-DIRECTOR-AJB-3A-BOMB-COMP | AIR | 180.431 | 267.955 | | .06636 | 63 | 1188 01902000 |
| SWITCH | FLT-DIRECTOR-AJB-3A-BOMB-COMP | GRD | .033673 | .067291 | 17064 | 118.79 | 65 | 1210 01904000 |
| SWITCH-ACTUATOR-ROD | FLT-DIRECTOR-AJB-3A-BOMB-COMP | GRD | * | 150.693 | | .01528 | 64 | 1180 01906000 |
| THERAPEUTIC | C/C-OXYGEN-SYSTEM | AIR | * | 7.99751 | 532 | .2879 | 66 | 1250 01908000 |
| THERAPEUTIC | C/C-OXYGEN-SYSTEM | AIR | * | 13.3067 | 336 | .17304 | 65 | 1227 01910000 |
| WAVEGUIDE | C/C-OXYGEN-SYSTEM | LAB | 3.48 | | | | 63 | 1138 01912000 |

.00 N.O.C.

HOME AIR DEVELOPMENT CENTER, CR
SECTION 1 FAILURE RATE DATA

CRB, N.Y.

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 229 ADJUSTERS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|------------|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 50 CONF LIMIT | | PART LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------------|------------------------|-------------|--------------|---------------------|--|-------------|------------|------------|---------------|
| | | | | | | | | | |
| .00 N.O.C. ASSEMBLY | | AIR | 2884.21 | 3120.57 | | | .095 | 62 | 2120 01958000 |
| | | AIR | 147.368 | 211.873 | | | .095 | 63 | 2120 01960000 |

ROME AIR DEVELOPMENT CENTER - GRIFFISS AFB, N.Y.
SECTION 1
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | C31 AILERONS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATENCY HOURS | YR OF DATA INDEX | CROSS REF NO |
|------------------|--------------------------|------------------------|-------------|--------------|---------------------|--------------------|------------------|---------------|
| PART DESCRIPTION | FLIGHT-CONTROL-SYSTEM | AIR | 4.29664 | 16.7126 | 200 | .23274 | 65 | 1198 01962000 |
| | R/H-CONTROL-SYSTEM | AIR | 11.3636 | 44.2011 | 102 | .088 | 63 | 1114 01964000 |
| | L/H-CONTROL-SYSTEM | AIR | 11.7952 | 45.8799 | 50 | .08478 | 63 | 1198 01966000 |
| | L/H-CONTROL-SYSTEM | AIR | 13.3333 | 51.8626 | 50 | .075 | 63 | 1114 01968000 |
| | FLIGHT-CONTROL-SYSTEM | AIR | 13.8908 | 50.9339 | 126 | .21597 | 64 | 1195 01970000 |
| | R/H-CONTROL-SYSTEM | AIR | 15.7591 | 41.9375 | 50 | .12891 | 65 | 1198 01972000 |
| | FLIGHT-CONTROL-SYSTEM | AIR | 24.3131 | 64.7009 | 192 | .08226 | 66 | 1250 01974000 |
| | L/H-CONTROL-SYSTEM | AIR | 31.5163 | 62.9859 | 50 | .12691 | 65 | 1198 01976000 |
| | R/H-CONTROL-SYSTEM | AIR | 35.3857 | 78.8016 | 50 | .08478 | 63 | 1198 01978000 |
| | FLIGHT-CONTROL-SYSTEM | AIR | 40.453 | 89.0773 | 50 | .075 | 63 | 1114 01980000 |
| | FLIGHT-CONTROL-SYSTEM | AIR | 40.453 | 107.651 | 96 | .04944 | 65 | 1227 01982000 |
| | FLIGHT-CONTROL-SYSTEM | AIR | 113.946 | 150.87 | | .20182 | 63 | 1123 01984000 |
| | FLIGHT-CONTROL-SYSTEM | AIR | 135.243 | 148.908 | 1194 | 1.4357 | 67 | 1272 01986000 |
| | FLIGHT-CONTROL-SYSTEM | AIR | 175.024 | 216.111 | 946 | .22854 | 65 | 1228 01988000 |
| | FLIGHT-CONTROL-SYSTEM | AIR | 233.858 | 287.987 | 812 | .17532 | 64 | 1179 01990000 |
| | FLIGHT-CONTROLS-707-331 | AIR | 310P | | | | 66 | 2364 01992000 |
| INBOARD | FLIGHT-CONTROLS-707-331 | AIR | 888.888 | 1443.85 | 32 | .009 | 59 | 1110 01994000 |
| | FLIGHT-CONTROLS-707-331 | AIR | 310P | | | | 65 | 2364 01996000 |
| | FLIGHT-CONTROLS-707-331 | AIR | 310P | | | | 66 | 2364 01998000 |
| | FLIGHT-CONTROLS-707-331B | AIR | 140P | | | | 66 | 2361 02000000 |
| | FLIGHT-CONTROLS-707-331 | AIR | 620P | | | | 65 | 2364 02002000 |
| OUTBOARD | FLIGHT-CONTROLS-707-331 | AIR | 1333.33 | 1975.72 | 32 | .069 | 59 | 1110 02004000 |
| | FLIGHT-CONTROLS-707-331 | AIR | 620P | | | | 66 | 2362 02006000 |

.LO N.O.C.

REME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
 SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 12 AMMUNITION BOXES

PART DESCRIPTION

FUNCTIONAL APPLICATION

FAILURE RATE ENVIRONMENT RATE
 UPPER 50 CONF PART YR CROSS
 LIMIT LATION HOURS OF DATA INDEX

10 N.O.C.

GUN-TURRET

125.68 275.882 62 .02387 63 1111 0200000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NONELECTRIC PART FAILURE RATE DATA JANUARY 1959

| PART CLASS | QTY APPLICABLE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER SO COMF LIMIT | PART NO/UP- LATER | PN INDEX RPT SPEC REF NO | CROSS |
|---|----------------|------------------------|-------------|--------------|---------------------|-------------------|--------------------------|-------|
| PART DESCRIPTION | | | | | | | | |
| 100 N.O.C. | | | | | | | | |
| COMPASS-INTEGRATED-INSTRUMENT-SYSTEM | SIM GRD AIR | | | | | | | |
| AIR SPEED-MACH-CADC-SYS-FLT-INST | AIR | | | | 71.9562 | 139 | 63 1177 02019000 | |
| ALTITUDE-DIRECTOR-INDICATOR-FLIGHT | AIR | | | | 46.3736 | 94 | 63 1227 02012000 | |
| AUDIBLE-WARNING-MAXIMUM-SPEED | AIR | | | | 27.9917 | 152 | 63 1250 02014000 | |
| AUDIBLE-WARNING-MAXIMUM-SPEED | AIR | | | | 23.2868 | 192 | 63 1227 02016000 | |
| ATTITUDE-DIRECTOR-INDICATOR-FLIGHT | AIR | | | | 13.9475 | 584 | 63 1250 02018000 | |
| P-A-SYSTEM-AIC-13-AM-944 | AIR | | | | 46.5736 | 96 | 63 1227 02020000 | |
| UHF-D-F-SYS-AN/ARA-25-AM-608 | AIR | | | | 25.2876 | 400 | 63 1198 02022000 | |
| UHF-D-F-SYS-AN/ARA-25-AM-608 | AIR | | | | 25.7798 | 100 | 63 1198 02024000 | |
| P-A-SYSTEM-MI-36A | AIR | | | | 1.5183 | 50 | 63 1198 02026000 | |
| QUANTITY-FUEL-CELL-ENGINE-INSTRUMENT HELI | AIR | | | | 35.2837 | 120 | 63 1198 02028000 | |
| ALTITUDE-TEMP-AN/ANG-7-AM-706-HIRAN | AIR | | | | 38.5356 | 120 | 63 1257 02030000 | |
| HUMIDITY-TEMP-AN/ANG-7-AM-706-HIRAN | AIR | | | | 40.452 | 96 | 63 1198 02032000 | |
| MASTER-ATTITUDE-REF-SYS-FLIGHT-INST | AIR | | | | 47.8697 | 100 | 63 1198 02034000 | |
| DETECTION-ENGINE-FIRE | AIR | | | | 52.6315 | 100 | 63 1114 02036000 | |
| INDICATOR-HORIZ-SITUATION | AIR | | | | 56.8181 | 102 | 63 1114 02038000 | |
| P-A-SYSTEM-AIC-13-AM-944 | AIR | | | | 61.7175 | 300 | 63 1196 02040000 | |
| MASTER-ATTITUDE-REF-SYS-FLIGHT-INST | AIR | | | | 74.9157 | 150 | 63 1198 02042000 | |
| POWER-SUPPLY-APR-6-SYSTEM | AIR | | | | 76.714 | 50 | 63 1198 02044000 | |
| HEADING-COURSE-DEVIATION-FLT-TRK-NAV | AIR | | | | 86.6755 | 50 | 63 1198 02046000 | |
| ROLL-OUTPUT-AUTOMATIC-PILOT | AIR | | | | 95.6937 | 50 | 63 1198 02048000 | |
| UHF-D-F-SYS-AN/ARA-25-AM-608 | AIR | | | | 95.6937 | 50 | 63 1198 02050000 | |
| POWER-SUPPLY-APR-6-SYSTEM | AIR | | | | 106.157 | 50 | 63 1123 02052000 | |
| PLADYAG-COURSE-DEVIATION-FLT-TRK-NAV | AIR | | | | 111.111 | 50 | 63 1198 02054000 | |
| PRIVE-TUNING-RAD-COM-AN/ARN-6-AM-203 | AIR | | | | 112.636 | 204 | 63 1114 02056000 | |
| INDICATOR-HORIZ-NTAL-SITUATION | SIM GRD AIR | | | | 141.542 | 139 | 63 1114 02058000 | |
| PRIVE-TUNING-RAD-COM-AN/ARN-6-AM-203 | AIR | | | | 141.542 | 100 | 63 1117 02060000 | |
| AIR SPEED-MACH-CADC-SYSTEM | AIR | | | | 149.878 | 152 | 63 1197 02062000 | |
| FLIGHT-INSTRUMENTATION | | | | | | | | |
| FIRE-DETECTION | | | | | | | | |
| PRIVE-TUNING-RAD-COM-AN/ARN-6-AM-203 | AIR | | | | 147.368 | 100 | 63 2125 02064000 | |
| ALTITUDE-REF-SYS-FLIGHT-INST | AIR | | | | 147.651 | 100 | 63 1114 02066000 | |
| FLIGHT-INSTRUMENTATION | | | | | 158.035 | 152 | 63 1250 02068000 | |
| PA-SYSTEM-CC-8 | | | | | | | | |
| PRIVE-TUNING-RAD-COM-AN/ARN-6-AM-203 | AIR | | | | 180 | 102 | 63 2380 02070000 | |
| FLOWMETER | | | | | 189.111 | 102 | 63 1198 02072000 | |
| SIGNAL-PWR-ME-I-M-1-COMPASS-SYSTEM | AIR | | | | 197.026 | 50 | 63 2114 02074000 | |
| SIGNAL-PWR-ME-I-M-1-COMPASS-SYSTEM | AIR | | | | 200.518 | 50 | 63 1198 02076000 | |
| SEARCH-R-AR-AN/ARN-6-AM-853A | AIR | | | | 212.314 | 50 | 63 1198 02078000 | |
| PRIVE-TUNING-RAD-COM-AN/ARN-6-AM-203 | AIR | | | | 214.832 | 100 | 63 1198 02080000 | |
| POWER-SUPPLY-CC-12-COMPASS-SYSTEM | AIR | | | | 225.806 | 136 | 63 1198 02082000 | |
| NAVIGATION | | | | | 279.601 | 152 | 63 1114 02084000 | |
| POWER-SUPPLY-CC-12-COMPASS-SYS-NAV | AIR | | | | 303.398 | 96 | 63 1250 02086000 | |
| INDICATOR-ALTITUDE/VERTICAL-SPEED | SIM GRD AIR | | | | 343.75 | 139 | 63 1117 02088000 | |
| | | | | | | | | |

DEPT. OF DEVELOPMENT - ALEX. GRIFFIS AFB, N.Y.
SECTION 1 - FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1958

SHIRAZ

DECEMBER 1991

FUNCTIONAL APPLICATION

ENVIRONMENT

CRESS

[illegible]

ST-175

DECEMBER 1991

FUNCTIONAL APPLICATION

ENVIRONMENT

CRESS

| | |
|--|-----|
| | 92 |
| | 93 |
| | 94 |
| | 95 |
| | 96 |
| | 97 |
| | 98 |
| | 99 |
| | 100 |

| | | | | | | | | |
|--------------------------------------|-----|---------|---------|-----|--------|----|------|----------|
| SIGNAL-PWR-PE-1-N-1-COMPASS-SYSTEM | AIR | 346.702 | 423.784 | 50 | .12591 | 65 | 1198 | 02136000 |
| SEARCH-NAVARAN/APN-55-AM-853 | AIR | 362.461 | 441.036 | 50 | .12591 | 65 | 1198 | 02096000 |
| CYRCL-DIRECTIONAL-N-1-COMPASS-SYSTEM | AIR | 400 | 510.868 | 50 | .075 | 63 | 1114 | 02096000 |
| CYRCL-DIRECTIONAL-N-1-COMPASS-SYSTEM | AIR | 412.477 | 471.841 | 2 | .23274 | 65 | 1198 | 02100000 |
| CYRCL-DIRECTIONAL-N-1-COMPASS-SYSTEM | AIR | 412.833 | 517.475 | 50 | .08476 | 63 | 1198 | 02100000 |
| CYRCL-DIRECTIONAL-N-1-COMPASS-SYSTEM | AIR | 419.354 | 511.546 | 136 | .031 | 63 | 1114 | 02104000 |
| ALUATOR-AIRSPED-AND-MACH | SIM | 437.5 | 625 | 139 | .032 | 63 | 1117 | 02060000 |
| COMPUTER-DEFT-AN/APN-52A-AM-391 | AIR | 449.137 | 535.41 | 50 | .12591 | 65 | 1198 | 02080000 |
| CYRCL-DIRECTIONAL-N-1-COMPASS-SYSTEM | AIR | 456.414 | 586.577 | 50 | .12591 | 65 | 1198 | 02110000 |
| CYRCL-DIRECTIONAL-N-1-COMPASS-SYSTEM | AIR | 522.727 | 636.045 | 132 | .089 | 63 | 1114 | 02110000 |
| COMPUTER-DEFT-AN/APN-52A-AM-391 | AIR | 554.376 | 673.1 | 50 | .08476 | 63 | 1198 | 02114000 |
| PRESURE-CABIN-AIR-CONDITIONING | AIR | 586.961 | 651.772 | 75 | .26345 | 65 | 1156 | 02116000 |
| SEARCH-NAVARAN/APN-55-AM-853 | AIR | 648.737 | 775.878 | 50 | .08476 | 63 | 1114 | 02116000 |
| COMPASS-J-4 | AIR | 675.016 | 1088.33 | 31 | .01194 | 61 | 1580 | 02122000 |
| NAVIGATION-COMPASS | AIR | 727.272 | 898.002 | 320 | .055 | 66 | 2380 | 02124000 |
| INDICATOR-DEFT-31-INTER-FLT-NAV | AIR | 821.052 | 953.51 | 245 | .095 | 63 | 2130 | 02126000 |
| LOW-RANGE-ALT-AN/APN-22-AM-291 | AIR | 808.888 | 1126.18 | 245 | .036 | 61 | 1580 | 02128000 |
| LOW-RANGE-ALT-AN/APN-22-AM-291 | AIR | 890.394 | 1057.63 | 50 | .12591 | 65 | 1198 | 02130000 |
| LOW-RANGE-ALT-AN/APN-22-AM-291 | AIR | 902.294 | 1025.95 | 100 | .11837 | 65 | 1198 | 02132000 |
| POWER-SUPPLY-CAMERA-ASSEMBLY | AIR | 1021.05 | 1293.64 | 150 | .03134 | 53 | 1198 | 02134000 |
| POWER-SUPPLY-CAMERA-ASSEMBLY | AIR | 1035.71 | 1328.51 | 150 | .028 | 63 | 1114 | 02136000 |
| LOW-RANGE-ALT-AN/APN-22-AM-291 | AIR | 1046.77 | 1207.26 | 50 | .08476 | 63 | 1198 | 02138000 |
| COMPUTER-DEFT-31-INTER-FLT-NAV | AIR | 1063.33 | 1242.88 | 245 | .084 | 59 | 1070 | 02140000 |
| COMPUTER-DEFT-31-INTER-FLT-NAV | AIR | 1416.66 | 1706.38 | 245 | .036 | 61 | 1580 | 02142000 |
| POWER-SUPPLY-AUTOPILOT-MA-2 | AIR | 1556.6 | 1723.68 | 31 | .106 | 59 | 1070 | 02144000 |
| INTER-INDICATING-SYS-ENGINE-INSTN | AIR | 1926.29 | 2550.52 | 31 | .01194 | 63 | 1111 | 02146000 |
| INTER-INDICATING-SYS-ENGINE-INSTN | AIR | 2019.93 | 2122.33 | 200 | .33912 | 63 | 1198 | 02148000 |
| INTER-INDICATING-SYS-ENGINE-INSTN | AIR | 2173.91 | 2287.27 | 200 | .299 | 63 | 1114 | 02150000 |
| INTER-INDICATING-SYS-ENGINE-INSTN | AIR | 2500 | 2946.23 | 302 | .026 | 61 | 1580 | 02152000 |
| POWER-SUPPLY-INTG-FLIGHT-NAVIGATION | AIR | 2655.65 | 3189.45 | 245 | .023 | 61 | 1580 | 02154000 |
| INTER-INDICATING-SYS-ENGINE-INSTN | AIR | 2916.49 | 3011.1 | 245 | .538 | 63 | 2115 | 02156000 |
| INTER-INDICATING-SYS-ENGINE-INSTN | AIR | 2916.66 | 3316.38 | 245 | .036 | 61 | 1580 | 02158000 |
| INTER-INDICATING-SYS-ENGINE-INSTN | AIR | 2931.32 | 3674.33 | 31 | .01194 | 63 | 1111 | 02160000 |
| INTER-INDICATING-SYS-ENGINE-INSTN | AIR | 3000 | 3121.57 | 408 | .353 | 63 | 1114 | 02162000 |
| INTER-INDICATING-SYS-ENGINE-INSTN | AIR | 3118.41 | 3321.04 | 200 | .50763 | 65 | 1198 | 02164000 |
| COMPASS-N-1 | AIR | 6448.91 | 7496.73 | 31 | .01194 | 63 | 1111 | 02166000 |
| CONTROL FIRE-RADAR-APQ-88 | AIR | 8562.09 | 8584.92 | | .06557 | 63 | 1123 | 02168000 |
| MAIN-AUTOPILOT-MA-2 | AIR | 13986.5 | 15478.2 | 31 | .01194 | 63 | 1111 | 02170000 |
| AD-FLIGHT-CIR-SYSTEM | AIR | 180.458 | 221.657 | 200 | .23274 | 65 | 1198 | 02172000 |
| AD-FLIGHT-CIR-SYSTEM | AIR | 387.996 | 573.598 | 136 | .931 | 63 | 1114 | 02174000 |
| ENGINE-INDICATING-707-3318 | AIR | 1401 | | | | 66 | 2361 | 02176000 |
| ENGINE-INDICATING-707-131 | AIR | 2201 | | | | 66 | 2361 | 02178000 |
| ENGINE-INDICATING-707-131 | AIR | 2301 | | | | 66 | 2362 | 02180000 |
| ENGINE-INDICATING-707-131 | AIR | 2301 | | | | 66 | 2364 | 02182000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NONELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 95% CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------|--------------------|-------------------------------|-------------|--------------|----------------------|-----------------|------------|------------|--------------|
| •DC | N-0-C. | | | | | | | | |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-131 | AIR | 250P | | | | 66 | 2362 0218000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-331 | AIR | 280P | | | | 66 | 2361 0218000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.880 | AIR | 300P | | | | 66 | 2360 0218000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-131 | AIR | 300P | | | | 66 | 2363 0219000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-331 | AIR | 310P | | | | 66 | 2362 0219000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-131B | AIR | 310P | | | | 66 | 2362 0219000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.880 | AIR | 320P | | | | 66 | 2362 0219000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-331 | AIR | 320P | | | | 66 | 2360 0220000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-331B | AIR | 340P | | | | 66 | 2362 0220000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.880 | AIR | 420P | | | | 66 | 2364 0220000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-131 | AIR | 510P | | | | 66 | 2361 0220000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.880 | AIR | 520P | | | | 66 | 2361 0221000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-131 | AIR | 540P | | | | 66 | 2363 0221000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-331 | AIR | 550P | | | | 66 | 2364 0221000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.880 | AIR | 560P | | | | 66 | 2361 0221000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-331B | AIR | 580P | | | | 66 | 2360 0221000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-131B | AIR | 620P | | | | 66 | 2364 0222000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-331B | AIR | 660P | | | | 66 | 2364 0222000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-131 | AIR | 660P | | | | 66 | 2361 0222000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-331 | AIR | 670P | | | | 66 | 2364 0222000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-131B | AIR | 680P | | | | 66 | 2362 0223000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-331B | AIR | 720P | | | | 66 | 2361 0223000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.880 | AIR | 970P | | | | 66 | 2361 0223000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-131 | AIR | 1000P | | | | 66 | 2362 0223000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-131B | AIR | 1140P | | | | 66 | 2362 0224000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-331 | AIR | 1300P | | | | 66 | 2361 0224000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.7-7-331B | AIR | 1350P | | | | 66 | 2364 0224000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.880 | AIR | 1360P | | | | 66 | 2365 0224000 |
| | AIRBORNE-VIBRATION | ENGINE-INDICATING.880 | AIR | 1580P | | | | 66 | 2365 0225000 |
| | CABIN-PRESSURE | | AIR | 490.706 | 531.718 | | | 66 | 2365 0225000 |
| | COMPASS | | AIR | 1600P | | | | 66 | 2360 0225000 |
| | OATUP | OVER-TEMPERATURE-TURBO-ENGINE | AIR | 1940.52 | 2019.55 | | | 66 | 2360 0225000 |
| | DUAL | YAW-STABILIZATION-SYSTEM | AIR | 153.493 | 176.81 | 500 | | 66 | 2114 0225000 |
| | DUAL | PITCH-AUTOPILOT-SYSTEM | AIR | 181.159 | 285.55 | | | 66 | 1277 0225000 |
| | DUAL | ROLL-STABILIZATION-SYSTEM | AIR | 794.671 | 932.556 | | | 66 | 1123 0226000 |
| | FLIGHT-INSTRUMENT | NAVIGATION.7-7-131B | AIR | 1368.79 | 1715.74 | | | 66 | 1123 0226000 |
| | FLIGHT-INSTRUMENT | NAVIGATION.7-7-131B | AIR | 60P | | | | 66 | 2361 0226000 |
| | FLIGHT-INSTRUMENT | NAVIGATION.7-7-131B | AIR | 70P | | | | 66 | 2362 0226000 |
| | FLIGHT-INSTRUMENT | NAVIGATION.880 | AIR | 70P | | | | 66 | 2361 0227000 |
| | | | AIR | 70P | | | | 66 | 2360 0227000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION J FAILURE RATE DATA

NONELECTRONIC PART FAILURE RATE DATA

JANUARY 1963

PART CLASS 251 AMPLIFIERS

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | YR RPT | CROSS DATA INDEX |
|-------------------|------------------------|-------------|--------------|---------------------|-----------------|--------|------------------|
| | | | | | | | |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-131B | AIR | 70P | | | 66 | 2364 02274000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 880 | AIR | 80P | | | 66 | 2363 02274000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-331B | AIR | 100P | | | 66 | 2364 02278000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-131 | AIR | 120P | | | 66 | 2362 02280000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-331 | AIR | 130P | | | 65 | 2361 02283000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-331 | AIR | 130P | | | 66 | 2361 02284000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-331B | AIR | 140P | | | 66 | 2361 02286000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-331 | AIR | 140P | | | 66 | 2361 02288000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-131B | AIR | 150P | | | 66 | 2362 02290000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-131B | AIR | 180P | | | 66 | 2361 02292000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 727 | AIR | 180P | | | 66 | 2360 02294000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-131B | AIR | 210P | | | 65 | 2364 02296000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 727 | AIR | 220P | | | 66 | 2363 02298000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 880 | AIR | 230P | | | 66 | 2360 02300000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 331C/373C | AIR | 240P | | | 65 | 2365 02302000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-331B | AIR | 250P | | | 66 | 2365 02304000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-331B | AIR | 260P | | | 65 | 2362 02306000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 880 | AIR | 270P | | | 65 | 2363 02308000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-331B | AIR | 280P | | | 66 | 2361 02310000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 880 | AIR | 300P | | | 66 | 2363 02312000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-131 | AIR | 300P | | | 65 | 2362 02314000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-131B | AIR | 320P | | | 65 | 2362 02316000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 880 | AIR | 320P | | | 65 | 2360 02318000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-131 | AIR | 340P | | | 66 | 2364 02320000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-331B | AIR | 360P | | | 66 | 2362 02322000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-131B | AIR | 390P | | | 66 | 2364 02324000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 727 | AIR | 410P | | | 66 | 2365 02326000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-331B | AIR | 430P | | | 66 | 2365 02328000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-131 | AIR | 430P | | | 66 | 2362 02330000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-331 | AIR | 450P | | | 65 | 2364 02332000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-331 | AIR | 460P | | | 65 | 2364 02334000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 727 | AIR | 500P | | | 66 | 2364 02336000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-331 | AIR | 510P | | | 65 | 2363 02338000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-331 | AIR | 510P | | | 65 | 2362 02340000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-331 | AIR | 510P | | | 66 | 2362 02342000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 727 | AIR | 550P | | | 65 | 2360 02344000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 880 | AIR | 560P | | | 65 | 2365 02346000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-131 | AIR | 570P | | | 66 | 2362 02348000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 727 | AIR | 590P | | | 66 | 2363 02350000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-131 | AIR | 650P | | | 65 | 2361 02352000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 880 | AIR | 680P | | | 66 | 2365 02354000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 727 | AIR | 750P | | | 66 | 2360 02356000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 727 | AIR | 760P | | | 65 | 2363 02358000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-131 | AIR | 810P | | | 66 | 2365 02360000 |
| FLIGHT-INSTRUMENT | NAVIGATION. 707-131 | AIR | 950P | | | 65 | 2364 02362000 |

00 N.O.C.

ROPE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1948

| PART CLASS | | PART DESCRIPTION | | FUNCTIONAL APPLICATION | | ENVIRONMENT | | FAILURE RATE | | UPPER 90 CONF LIMIT | | PART POPULATION | | PART LATION HOURS | | YR OF DATA INDEX | | CROSS RPT SRCE REF NO | |
|-----------------|--|------------------|--|-------------------------|--|-------------|--|--------------|--|---------------------|--|-----------------|------|-------------------|--|------------------|--|-----------------------|--|
| 251 AMPLIFIERS | | | | | | | | | | | | | | | | | | | |
| N.O.C. | | | | | | | | | | | | | | | | | | | |
| FLIGHT-RECORDER | | FLIGHT-RECORDER | | INSTRUMENTS.707-1318 | | AIR | | 120P | | | | 66 | 2361 | 02361000 | | | | | |
| FLIGHT-RECORDER | | FLIGHT-RECORDER | | INSTRUMENTS.707-1318 | | AIR | | 130P | | | | 66 | 2364 | 02364000 | | | | | |
| FLIGHT-RECORDER | | FLIGHT-RECORDER | | INSTRUMENTS.707-1318 | | AIR | | 150P | | | | 66 | 2362 | 02362000 | | | | | |
| FLIGHT-RECORDER | | FLIGHT-RECORDER | | INSTRUMENTS.800 | | AIR | | 160P | | | | 66 | 2365 | 02365000 | | | | | |
| FLIGHT-RECORDER | | FLIGHT-RECORDER | | INSTRUMENTS.707-3318 | | AIR | | 170P | | | | 66 | 2364 | 02364000 | | | | | |
| FLIGHT-RECORDER | | FLIGHT-RECORDER | | INSTRUMENTS.800 | | AIR | | 170P | | | | 66 | 2363 | 02363000 | | | | | |
| FLIGHT-RECORDER | | FLIGHT-RECORDER | | INSTRUMENTS.707-3318 | | AIR | | 240P | | | | 66 | 2362 | 02362000 | | | | | |
| FLIGHT-RECORDER | | FLIGHT-RECORDER | | INSTRUMENTS.707-131 | | AIR | | 250P | | | | 66 | 2362 | 02362000 | | | | | |
| FLIGHT-RECORDER | | FLIGHT-RECORDER | | INSTRUMENTS.707-131 | | AIR | | 260P | | | | 65 | 2361 | 02361000 | | | | | |
| FLIGHT-RECORDER | | FLIGHT-RECORDER | | INSTRUMENTS.707-331 | | AIR | | 280P | | | | 66 | 2361 | 02361000 | | | | | |
| FLIGHT-RECORDER | | FLIGHT-RECORDER | | INSTRUMENTS.800 | | AIR | | 300P | | | | 66 | 2365 | 02365000 | | | | | |
| FLIGHT-RECORDER | | FLIGHT-RECORDER | | INSTRUMENTS.707-331 | | AIR | | 310P | | | | 66 | 2364 | 02364000 | | | | | |
| FLIGHT-RECORDER | | FLIGHT-RECORDER | | INSTRUMENTS.707-331 | | AIR | | 310P | | | | 66 | 2364 | 02364000 | | | | | |
| FLIGHT-RECORDER | | FLIGHT-RECORDER | | INSTRUMENTS.331C/373C | | AIR | | 1000P | | | | 66 | 2360 | 02360000 | | | | | |
| FUEL-QUANTITY | | FUEL-QUANTITY | | FUEL.707-1302 | | AIR | | 20P | | | | 65 | 2361 | 02361000 | | | | | |
| FUEL-QUANTITY | | FUEL-QUANTITY | | FUEL.707-1318 | | AIR | | 20P | | | | 66 | 2362 | 02362000 | | | | | |
| FUEL-QUANTITY | | FUEL-QUANTITY | | FUEL.131 | | AIR | | 30P | | | | 66 | 2361 | 02361000 | | | | | |
| FUEL-QUANTITY | | FUEL-QUANTITY | | FUEL.707-331 | | AIR | | 30P | | | | 66 | 2361 | 02361000 | | | | | |
| FUEL-QUANTITY | | FUEL-QUANTITY | | FUEL.707-131 | | AIR | | 30P | | | | 65 | 2361 | 02400000 | | | | | |
| FUEL-QUANTITY | | FUEL-QUANTITY | | FUEL.707-131 | | AIR | | 30P | | | | 65 | 2361 | 02402000 | | | | | |
| FUEL-QUANTITY | | FUEL-QUANTITY | | FUEL.707-1318 | | AIR | | 30P | | | | 65 | 2364 | 02404000 | | | | | |
| FUEL-QUANTITY | | FUEL-QUANTITY | | FUEL.707-131 | | AIR | | 30P | | | | 66 | 2364 | 02406000 | | | | | |
| FUEL-QUANTITY | | FUEL-QUANTITY | | FUEL.707-131 | | AIR | | 30P | | | | 66 | 2364 | 02408000 | | | | | |
| FUEL-QUANTITY | | FUEL-QUANTITY | | FUEL.707-331 | | AIR | | 40P | | | | 65 | 2364 | 02410000 | | | | | |
| FUEL-QUANTITY | | FUEL-QUANTITY | | FUEL.331 | | AIR | | 40P | | | | 66 | 2361 | 02412000 | | | | | |
| FUEL-QUANTITY | | FUEL-QUANTITY | | FUEL.707-331 | | AIR | | 50P | | | | 66 | 2364 | 02414000 | | | | | |
| FUEL-QUANTITY | | FUEL-QUANTITY | | FUEL.707-1318 | | AIR | | 60P | | | | 66 | 2364 | 02416000 | | | | | |
| FUEL-QUANTITY | | FUEL-QUANTITY | | FUEL.707-1302 | | AIR | | 70P | | | | 65 | 2361 | 02418000 | | | | | |
| FUEL-QUANTITY | | FUEL-QUANTITY | | FUEL.707-131 | | AIR | | 70P | | | | 66 | 2362 | 02420000 | | | | | |
| FUEL-QUANTITY | | FUEL-QUANTITY | | FUEL.707-1318 | | AIR | | 100P | | | | 65 | 2362 | 02422000 | | | | | |
| FUEL-QUANTITY | | FUEL-QUANTITY | | FUEL.707-131 | | AIR | | 200P | | | | 65 | 2364 | 02424000 | | | | | |
| HD-MICROWAVE | | HD-MICROWAVE | | F-111 | | AIR | | * | | 3154.24 | | | | | | | | | |
| I.F | | I.F | | TRANSMITTER | | AIR | | * | | | | | | | | | | | |
| INSTRUMENT | | INSTRUMENT | | IFS.8-320 | | LAB | | 29.06 | | | | | | | | | | | |
| INSTRUMENT | | INSTRUMENT | | IFS | | AIR | | * | | | | | | | | | | | |
| INSTRUMENT | | INSTRUMENT | | IFS | | AIR | | 80 | | | | | | | | | | | |
| INTERPHONE | | INTERPHONE | | COMMUNICATIONS.707-1318 | | AIR | | 300 | | | | | | | | | | | |
| INTERPHONE | | INTERPHONE | | COMMUNICATIONS.707-1318 | | AIR | | 130P | | | | 65 | 2361 | 02436000 | | | | | |
| INTERPHONE | | INTERPHONE | | COMMUNICATIONS.707-3318 | | AIR | | 130P | | | | 66 | 2364 | 02438000 | | | | | |
| INTERPHONE | | INTERPHONE | | COMMUNICATIONS.707-3318 | | AIR | | 140P | | | | 66 | 2361 | 02440000 | | | | | |
| INTERPHONE | | INTERPHONE | | COMMUNICATIONS.707-1318 | | AIR | | 150P | | | | 66 | 2361 | 02442000 | | | | | |
| INTERPHONE | | INTERPHONE | | COMMUNICATIONS.707-3318 | | AIR | | 170P | | | | 66 | 2362 | 02444000 | | | | | |
| INTERPHONE | | INTERPHONE | | COMMUNICATIONS.727 | | AIR | | 190P | | | | 66 | 2364 | 02446000 | | | | | |
| INTERPHONE | | INTERPHONE | | COMMUNICATIONS.727 | | AIR | | 220P | | | | 66 | 2360 | 02448000 | | | | | |
| INTERPHONE | | INTERPHONE | | COMMUNICATIONS.707-131 | | AIR | | 220P | | | | 66 | 2363 | 02450000 | | | | | |
| INTERPHONE | | INTERPHONE | | COMMUNICATIONS.707-131 | | AIR | | 220P | | | | 66 | 2364 | 02452000 | | | | | |

ROMF AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | CSL AMPLIFIERS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | PART HOURS | YR | CROSS OF DATA INDEX |
|----------------------------|----------------|-------------------------|-------------|--------------|---------------------|-------------|------------|----|---------------------|
| PART DESCRIPTION | | | | | | | | | RPT SRC REF NO |
| -00 M.C.C. | | | | | | | | | |
| INTERPHONE | | COMMUNICATIONS-707-131 | AIR | 230P | | | | 66 | 2364 02454000 |
| INTERPHONE | | COMMUNICATIONS-707-131 | AIR | 230P | | | | 66 | 2362 02456000 |
| INTERPHONE | | COMMUNICATIONS-707-131 | AIR | 250P | | | | 66 | 2362 02458000 |
| INTERPHONE | | COMMUNICATIONS-727 | AIR | 270P | | | | 65 | 2360 02460000 |
| INTERPHONE | | COMMUNICATIONS-707-131B | AIR | 270P | | | | 66 | 2362 02462000 |
| INTERPHONE | | COMMUNICATIONS-727 | AIR | 300P | | | | 65 | 2365 02464000 |
| INTERPHONE | | COMMUNICATIONS-707-331 | AIR | 310P | | | | 66 | 2362 02466000 |
| INTERPHONE | | COMMUNICATIONS-707-331B | AIR | 340P | | | | 65 | 2361 02468000 |
| INTERPHONE | | COMMUNICATIONS-727 | AIR | 400P | | | | 66 | 2365 02470000 |
| INTERPHONE | | COMMUNICATIONS-727 | AIR | 430P | | | | 66 | 2365 02472000 |
| INTERPHONE | | COMMUNICATIONS-707-131 | AIR | 440P | | | | 66 | 2361 02474000 |
| INTERPHONE | | COMMUNICATIONS-707-131 | AIR | 440P | | | | 66 | 2361 02476000 |
| INTERPHONE | | COMMUNICATIONS-707-131B | AIR | 480P | | | | 65 | 2362 02478000 |
| INTERPHONE | | COMMUNICATIONS-707-131 | AIR | 520P | | | | 65 | 2361 02480000 |
| INTERPHONE | | COMMUNICATIONS-707-331B | AIR | 530P | | | | 65 | 2362 02482000 |
| INTERPHONE | | COMMUNICATIONS-707-331 | AIR | 530P | | | | 66 | 2361 02484000 |
| INTERPHONE | | COMMUNICATIONS-707-331B | AIR | 580P | | | | 66 | 2364 02486000 |
| INTERPHONE | | COMMUNICATIONS-707-131 | AIR | 600P | | | | 65 | 2362 02488000 |
| INTERPHONE | | COMMUNICATIONS-727 | AIR | 680P | | | | 66 | 2363 02490000 |
| INTERPHONE | | COMMUNICATIONS-707-131 | AIR | 820P | | | | 65 | 2364 02492000 |
| INTERPHONE | | COMMUNICATIONS-707-331 | AIR | 940P | | | | 66 | 2364 02494000 |
| INTERPHONE | | COMMUNICATIONS-707-331B | AIR | 970P | | | | 66 | 2362 02496000 |
| INTERPHONE-COCKPIT-SPEAKER | | COMMUNICATIONS-880 | AIR | 450P | | | | 66 | 2360 02498000 |
| INTERPHONE-COCKPIT-SPEAKER | | COMMUNICATIONS-880 | AIR | 580P | | | | 66 | 2360 02500000 |
| INTERPHONE-COCKPIT-SPEAKER | | COMMUNICATIONS-880 | AIR | 630P | | | | 65 | 2360 02502000 |
| INTERPHONE-COCKPIT-SPEAKER | | COMMUNICATIONS-880 | AIR | 300P | | | | 66 | 2363 02504000 |
| INTERPHONE-COCKPIT-SPEAKER | | COMMUNICATIONS-880 | AIR | 540P | | | | 65 | 2363 02506000 |
| INTERPHONE-COCKPIT-SPEAKER | | COMMUNICATIONS-880 | AIR | 630P | | | | 66 | 2365 02508000 |
| INTERPHONE-COCKPIT-SPEAKER | | COMMUNICATIONS-880 | AIR | 670P | | | | 66 | 2363 02510000 |
| INTERPHONE-COCKPIT-SPEAKER | | COMMUNICATIONS-880 | AIR | 800P | | | | 65 | 2365 02512000 |
| INTERPHONE-COCKPIT-SPEAKER | | COMMUNICATIONS-880 | AIR | 910P | | | | 66 | 2365 02514000 |
| KIFIS | | NAVIGATION-707-331B | AIR | 80P | | | | 65 | 2361 02516000 |
| KIFIS | | NAVIGATION-707-331B | AIR | 90P | | | | 66 | 2364 02518000 |
| KIFIS | | NAVIGATION-707-331B | AIR | 110P | | | | 65 | 2364 02520000 |
| KIFIS | | NAVIGATION-331C/373C | AIR | 120P | | | | 65 | 2365 02522000 |
| KIFIS | | NAVIGATION-707-331B | AIR | 120P | | | | 66 | 2362 02524000 |
| KIFIS | | NAVIGATION-707-331 | AIR | 130P | | | | 66 | 2361 02526000 |
| KIFIS | | NAVIGATION-707-331B | AIR | 130P | | | | 65 | 2362 02528000 |
| KIFIS | | NAVIGATION-331C/373C | AIR | 130P | | | | 66 | 2365 02530000 |
| KIFIS | | NAVIGATION-331C/373C | AIR | 130P | | | | 66 | 2365 02532000 |
| KIFIS | | NAVIGATION-707-331 | AIR | 140P | | | | 66 | 2361 02534000 |
| KIFIS | | NAVIGATION-707-331 | AIR | 166P | | | | 66 | 2364 02536000 |
| KIFIS | | NAVIGATION-707-131 | AIR | 170P | | | | 66 | 2362 02538000 |
| KIFIS | | NAVIGATION-707-331B | AIR | 180P | | | | 66 | 2361 02540000 |
| KIFIS | | NAVIGATION-707-331B | AIR | 210P | | | | 66 | 2361 02542000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | UPPER LIMIT | PART TYPE | PART NUMBER | RPL SPEC REF NO | CROSS INDEX |
|--------------|-----------------------|------------------------|--------------|-------------|-----------|-------------|-----------------|------------------|
| | | | | | | | | |
| LR-MICROWAVE | F-111 | | | 3198.05 | | 0.00072 | | 62 2300 02636000 |
| MACH-TRIM | AUTO-PILOT. 707-131 | AIR | 250P | | | | | 66 2362 02636000 |
| MACH-TRIM | AUTO-PILOT. 707-331 | AIR | 260P | | | | | 65 2361 02638000 |
| MACH-TRIM | AUTO-PILOT. 707-331 | AIR | 280P | | | | | 63 2361 02640000 |
| MACH-TRIM | AUTO-PILOT. 707-331B | AIR | 420P | | | | | 64 2361 02642000 |
| MACH-TRIM | AUTO-PILOT. 331C/373C | AIR | 460P | | | | | 65 2360 02644000 |
| MACH-TRIM | AUTO-PILOT. 2315/212C | AIR | 480P | | | | | 66 2360 02646000 |
| MACH-TRIM | AUTO-PILOT. 331C/373C | AIR | 490P | | | | | 65 2365 02648000 |
| MACH-TRIM | AUTO-PILOT. 707-331B | AIR | 530P | | | | | 65 2362 02650000 |
| MACH-TRIM | AUTO-PILOT. 707-131B | AIR | 540P | | | | | 66 2362 02652000 |
| MACH-TRIM | AUTO-PILOT. 707-331B | AIR | 570P | | | | | 66 2362 02654000 |
| MACH-TRIM | AUTO-PILOT. 707-331 | AIR | 630P | | | | | 66 2364 02656000 |
| MACH-TRIM | AUTO-PILOT. 707-331 | AIR | 670P | | | | | 66 2364 02658000 |
| MACH-TRIM | AUTO-PILOT. 707-131 | AIR | 680P | | | | | 66 2364 02660000 |
| MACH-TRIM | AUTO-PILOT. 707-331 | AIR | 680P | | | | | 65 2362 02662000 |
| MACH-TRIM | AUTO-PILOT. 707-131B | AIR | 700P | | | | | 65 2364 02664000 |
| MACH-TRIM | AUTO-PILOT. 707-131 | AIR | 780P | | | | | 65 2361 02666000 |
| MACH-TRIM | AUTO-PILOT. 707-131B | AIR | 790P | | | | | 66 2364 02668000 |
| MACH-TRIM | AUTO-PILOT. 707-131B | AIR | 800P | | | | | 65 2362 02670000 |
| MACH-TRIM | AUTO-PILOT. 707-331B | AIR | 850P | | | | | 66 2364 02672000 |
| MACH-TRIM | AUTO-PILOT. 707-131 | AIR | 890P | | | | | 66 2364 02674000 |
| MACH-TRIM | AUTO-PILOT. 707-131 | AIR | 910P | | | | | 65 2362 02676000 |
| MACH-TRIM | AUTO-PILOT. 707-131B | AIR | 1030P | | | | | 64 2361 02678000 |
| MACH-TRIM | AUTO-PILOT. 707-131B | AIR | 1060P | | | | | 65 2361 02680000 |
| MACH-TRIM | AUTO-PILOT. 707-131B | AIR | 1070P | | | | | 66 2361 02682000 |
| MACH-TRIM | AUTO-PILOT. 707-131B | AIR | 1170P | | | | | 66 2364 02684000 |
| MACH-TRIM | AUTO-PILOT. 707-331B | AIR | 1240P | | | | | 66 2361 02686000 |
| MACH-TRIM | AUTO-PILOT. 707-331B | AIR | 1320P | | | | | 66 2361 02688000 |
| MACH-TRIM | AUTO-PILOT. 707-331 | AIR | 1330P | | | | | 66 2362 02690000 |
| MACH-TRIM | AUTO-PILOT. 707-131B | AIR | 1330P | | | | | 66 2364 02692000 |
| MACH-TRIM | AUTO-PILOT. 707-131B | AIR | 1360P | | | | | 65 2361 02694000 |
| MACH-TRIM | AUTO-PILOT. 707-331 | AIR | 1530P | | | | | 66 2362 02696000 |
| MACH-TRIM | AUTO-PILOT. 707-131 | AIR | 1560P | | | | | 66 2361 02698000 |
| MACH-TRIM | AUTO-PILOT. 707-131 | AIR | 1600P | | | | | 66 2362 02700000 |
| MACH-TRIM | AUTO-PILOT. 707-331 | AIR | 1690P | | | | | 66 2362 02702000 |
| MACH-TRIM | AUTO-PILOT. 707-131 | AIR | 2050P | | | | | 66 2361 02704000 |
| MACH-TRIM | AUTO-PILOT. 707-131 | AIR | 2160P | | | | | 65 2364 02706000 |
| MACH-TRIM | AUTO-PILOT. 707-331 | AIR | 3540P | | | | | 65 2364 02708000 |
| MACH-TRIM | AUTO-PILOT. 331C/373C | AIR | 510P | | | | | 66 2363 02710000 |
| MACH-TRIM | AUTO-PILOT. 331C/373C | AIR | 540P | | | | | 66 2363 02712000 |
| MACH-TRIM | AUTO-PILOT. 331C/373C | AIR | 560P | | | | | 65 2363 02714000 |
| MACH-TRIM | FIRE-PROTECTION. 880 | AIR | 20P | | | | | 66 2365 02716000 |
| MACH-TRIM | FIRE-PROTECTION. 890 | AIR | 80P | | | | | 66 2365 02718000 |
| MACH-TRIM | FIRE-PROTECTION. 880 | AIR | 40P | | | | | 66 2363 02720000 |
| MACH-TRIM | FIRE-PROTECTION. 880 | AIR | 40P | | | | | 66 2363 02722000 |

60 N.O.S.

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | CSI AMPLIFIERS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------|----------------|--------------------------|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| 200 | N.D.C. | | | | | | | | |
| MAGNETIC-CONTROL | | | | | | | | | |
| MB-MICROWAVE | | | | | | | | | |
| PA | | FIRE-PROTECTION-880 | AIR | 50P | | | | 65 | 2363 02724000 |
| PA | | F-111 | AIR | * | | | | 62 | 2700 02726000 |
| PA | | PA-SYSTEM-P-720 | AIR | * | 3198.05 | | 0.00072 | | |
| PA | | COMMUNICATIONS-707-131 | AIR | 230P | | | | 66 | 2380 02728000 |
| PA | | COMMUNICATIONS-707-331B | AIR | 240P | | | | 66 | 2364 02730000 |
| PA | | COMMUNICATIONS-727 | AIR | 240P | | | | 66 | 2362 02732000 |
| PA | | COMMUNICATIONS-707-331 | AIR | 240P | | | | 66 | 2363 02734000 |
| PA | | COMMUNICATIONS-707-331 | AIR | 260P | | | | 65 | 2361 02736000 |
| PA | | COMMUNICATIONS-880 | AIR | 280P | | | | 66 | 2361 02738000 |
| PA | | COMMUNICATIONS-880 | AIR | 300P | | | | 66 | 2363 02740000 |
| PA | | COMMUNICATIONS-707-331 | AIR | 300P | | | | 66 | 2365 02742000 |
| PA | | COMMUNICATIONS-880 | AIR | 310P | | | | 66 | 2364 02744000 |
| PA | | COMMUNICATIONS-880 | AIR | 320P | | | | 65 | 2363 02746000 |
| PA | | COMMUNICATIONS-707-331 | AIR | 320P | | | | 66 | 2365 02748000 |
| PA | | COMMUNICATIONS-727 | AIR | 340P | | | | 66 | 2362 02750000 |
| PA | | COMMUNICATIONS-727 | AIR | 370P | | | | 66 | 2360 02752000 |
| PA | | COMMUNICATIONS-331C/373C | AIR | 400P | | | | 66 | 2365 02754000 |
| PA | | COMMUNICATIONS-707-131 | AIR | 500P | | | | 66 | 2360 02756000 |
| PA | | COMMUNICATIONS-707-331B | AIR | 520P | | | | 65 | 2361 02758000 |
| PA | | COMMUNICATIONS-707-331B | AIR | 550P | | | | 66 | 2361 02760000 |
| PA | | COMMUNICATIONS-880 | AIR | 570P | | | | 66 | 2362 02762000 |
| PA | | COMMUNICATIONS-727 | AIR | 580P | | | | 66 | 2360 02764000 |
| PA | | COMMUNICATIONS-727 | AIR | 640P | | | | 66 | 2365 02766000 |
| PA | | COMMUNICATIONS-707-131 | AIR | 650P | | | | 66 | 2363 02768000 |
| PA | | COMMUNICATIONS-707-131 | AIR | 680P | | | | 66 | 2361 02770000 |
| PA | | COMMUNICATIONS-707-131 | AIR | 680P | | | | 65 | 2362 02772000 |
| PA | | COMMUNICATIONS-707-131 | AIR | 690P | | | | 66 | 2362 02774000 |
| PA | | COMMUNICATIONS-707-331B | AIR | 700P | | | | 66 | 2361 02776000 |
| PA | | COMMUNICATIONS-707-131B | AIR | 700P | | | | 65 | 2364 02778000 |
| PA | | COMMUNICATIONS-727 | AIR | 750P | | | | 66 | 2360 02780000 |
| PA | | COMMUNICATIONS-707-131B | AIR | 790P | | | | 66 | 2364 02782000 |
| PA | | COMMUNICATIONS-707-131B | AIR | 800P | | | | 66 | 2364 02784000 |
| PA | | COMMUNICATIONS-707-131B | AIR | 800P | | | | 65 | 2361 02786000 |
| PA | | COMMUNICATIONS-707-131B | AIR | 800P | | | | 65 | 2362 02788000 |
| PA | | COMMUNICATIONS-707-131 | AIR | 820P | | | | 65 | 2364 02790000 |
| PA | | COMMUNICATIONS-880 | AIR | 840P | | | | 66 | 2363 02792000 |
| PA | | COMMUNICATIONS-707-131B | AIR | 840P | | | | 66 | 2361 02794000 |
| PA | | COMMUNICATIONS-707-131 | AIR | 890P | | | | 66 | 2364 02796000 |
| PA | | COMMUNICATIONS-707-131B | AIR | 920P | | | | 66 | 2361 02798000 |
| PA | | COMMUNICATIONS-331C/373C | AIR | 960P | | | | 66 | 2360 02800000 |
| PA | | COMMUNICATIONS-707-331B | AIR | 1020P | | | | 65 | 2361 02802000 |
| PA | | COMMUNICATIONS-707-131B | AIR | 1030P | | | | 66 | 2362 02804000 |
| PA | | COMMUNICATIONS-727 | AIR | 1100P | | | | 65 | 2360 02806000 |
| PA | | COMMUNICATIONS-880 | AIR | 1110P | | | | 65 | 2360 02808000 |
| PA | | COMMUNICATIONS-707-131B | AIR | 1210P | | | | 66 | 2362 02810000 |
| PA | | COMMUNICATIONS-707-331B | AIR | 1270P | | | | 65 | 2364 02812000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 25/ AMPLIFIERS

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 50 CONF LIMIT | PART POPULATION | PART HOURS | YR | CROSS OF DATA INDEX |
|-------------------------|-------------------------|-------------|--------------|---------------------|-----------------|------------|----|---------------------|
| PART CLASS | | | | | | | | RPT SRCE REF NO |
| PA | COMMUNICATIONS-727 | AIR | 136GP | | | | 65 | 2363 02814000 |
| PA | COMMUNICATIONS-880 | AIR | 1440P | | | | 65 | 2363 02816000 |
| PA | COMMUNICATIONS-707-131 | AIR | 1480P | | | | 66 | 2362 02818000 |
| PA | COMMUNICATIONS-707-331B | AIR | 1560P | | | | 66 | 2364 02820000 |
| PA | COMMUNICATIONS-707-131 | AIR | 1560P | | | | 66 | 2361 02822000 |
| PA | COMMUNICATIONS-707-331B | AIR | 1580P | | | | 66 | 2364 02824000 |
| PA | COMMUNICATIONS-727 | AIR | 2130P | | | | 65 | 2363 02826000 |
| R-F | RECEIVER | LAB | 71.25 | | | | 65 | 2364 02828000 |
| P-F | TRANSMITTER | LAB | 71.52 | | | | 65 | 2364 02830000 |
| R-F | RADIO-SET-AN/MRC-1 | LAB | 657.225 | | | | 65 | 2364 02832000 |
| RF | F-111 | AIR | 10552.7 | 14162.9 | | .00199 | 62 | 2700 02834000 |
| RMI | NAVIGATION-707-131B | AIR | 60P | | | | 66 | 2361 02836000 |
| RMI | NAVIGATION-707-131B | AIR | 70P | | | | 66 | 2364 02838000 |
| RMI | NAVIGATION-707-131B | AIR | 70P | | | | 65 | 2364 02840000 |
| RMI | NAVIGATION-707-331B | AIR | 70P | | | | 66 | 2362 02842000 |
| RMI | NAVIGATION-707-131B | AIR | 70P | | | | 66 | 2362 02844000 |
| RMI | NAVIGATION-880 | AIR | 80P | | | | 65 | 2363 02846000 |
| RMI | NAVIGATION-707-131B | AIR | 80P | | | | 65 | 2362 02848000 |
| RMI | NAVIGATION-880 | AIR | 80P | | | | 66 | 2360 02850000 |
| RMI | NAVIGATION-707-331 | AIR | 130P | | | | 66 | 2361 02852000 |
| RMI | NAVIGATION-707-131 | AIR | 130P | | | | 65 | 2361 02854000 |
| RMI | NAVIGATION-707-331B | AIR | 140P | | | | 66 | 2362 02856000 |
| RMI | NAVIGATION-707-331 | AIR | 150P | | | | 66 | 2362 02858000 |
| RMI | NAVIGATION-707-131B | AIR | 150P | | | | 66 | 2362 02860000 |
| RMI | NAVIGATION-727-131 | AIR | 150P | | | | 65 | 2362 02862000 |
| RMI | NAVIGATION-707-131 | AIR | 220P | | | | 66 | 2361 02864000 |
| RMI | NAVIGATION-707-131 | AIR | 230P | | | | 66 | 2364 02866000 |
| RMI | NAVIGATION-880 | AIR | 240P | | | | 65 | 2360 02868000 |
| RMI | NAVIGATION-707-131 | AIR | 250P | | | | 66 | 2362 02870000 |
| RMI | NAVIGATION-707-331B | AIR | 260P | | | | 65 | 2362 02872000 |
| RMI | NAVIGATION-727-331 | AIR | 280P | | | | 65 | 2361 02874000 |
| SPEED-STABILITY-MONITOR | AUTO-PILOT-880 | AIR | 160P | | | | 65 | 2360 02876000 |
| SPEED-STABILITY-MONITOR | AUTO-PILOT-880 | AIR | 17.0 | | | | 66 | 2363 02878000 |
| SPEED-STABILITY-MONITOR | AUTO-PILOT-880 | AIR | 300P | | | | 66 | 2345 02880000 |
| SPEED-STABILITY-MONITOR | AUTO-PILOT-880 | AIR | 300P | | | | 66 | 2360 02882000 |
| SPEED-STABILITY-MONITOR | AUTO-PILOT-880 | AIR | 51.0 | | | | 66 | 2363 02884000 |
| SYNCHRONIZING | PLITCH/ROLL-AUTOPILOT | AIR | 23.3726 | 37.9651 | | .34228 | 63 | 1123 02886000 |
| 5-CHANNEL | AUTOPILOT-SYSTEM | AIR | 1118.53 | 1244.38 | 100 | .11617 | 65 | 1198 02888000 |
| 6-CHANNEL | AUTOPILOT-SYSTEM | AIR | 1812.3 | 1575.25 | 50 | .12691 | 65 | 1198 02890000 |
| 6-CHANNEL | AUTOPILOT-SYSTEM | AIR | 1993.39 | 2204.63 | 50 | .08476 | 63 | 1198 02892000 |

IC AUDIO

| | | | |
|----------|-------------|-----|------|
| (LSB) | TRANSMITTER | LAB | 49.8 |
| (USB/AM) | TRANSMITTER | LAB | 49.8 |

65 2364 02894000
65 2364 02896000

ROME AIR DEVELOPMENT CENTER, GE OFFICE AFRL N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | | 351 AMPLIFIERS | | FUNCTIONAL APPLICATION | | ENVIRONMENT RATE | | UPPER 90 CONF LIMIT | | PART LATION HOUR | | YR CRFS | | -OF DATA INDEX | | RPT SACE REF NO | |
|------------------|--|----------------|--|------------------------|--|------------------|--------|---------------------|--|------------------|--|---------|----------|----------------|--|-----------------|--|
| PART DESCRIPTION | | | | | | | | | | | | | | | | | |
| .10 AUDIO | | | | | | | | | | | | | | | | | |
| I.F | | | | RECEIVER | | LAB | 138.92 | | | | | 65 2324 | 02900000 | | | | |
| I.F | | | | RECEIVER | | LAB | 138.92 | | | | | 65 2324 | 02900000 | | | | |
| .35 MAGNETIC | | | | | | | | | | | | | | | | | |
| CONTROL | | | | FIRE PROTECTION.880 | | AIR | 40P | | | | | 65 2360 | 02902000 | | | | |
| CONTROL | | | | FIRE-PROTECTION.880 | | AIR | 60P | | | | | 65 2360 | 02904000 | | | | |
| CONTROL | | | | FIRE-PROTECTION.880 | | AIR | 80P | | | | | 65 2360 | 02906000 | | | | |
| .60 SERVO | | | | | | | | | | | | | | | | | |
| SPEED-STABILITY | | | | AUTO-PILOT.880 | | AIR | 160P | | | | | 65 2365 | 02908000 | | | | |
| SPEED-STABILITY | | | | AUTO-PILOT.880 | | AIR | 160P | | | | | 65 2365 | 02910000 | | | | |
| SPEED-STABILITY | | | | AUTO-PILOT.880 | | AIR | 160P | | | | | 65 2360 | 02912000 | | | | |
| SPEED-STABILITY | | | | AUTO-PILOT.880 | | AIR | 300P | | | | | 65 2365 | 02914000 | | | | |

RORE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1962

| PART CLASS | 060 ANCHORS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF | | PART LATION HOURS | PART | YR | CROSS |
|-----------------------------|-------------|-----------------------------|-------------|--------------|---------------|----|-------------------|------|----|---------------|
| | | | | | LIMIT | | | | | |
| .00 N.B.C. | | | | | | | | | | |
| CABLE | | INT-SUPPORT-AIR-DROP-SYSTEM | AIR | * | 46.5736 | 96 | .04944 | | 65 | 1227 02916000 |
| LE-AIR-CONDITIONING-DUCT-RH | | AIR-CONDITIONING-707-131 | AIR | 250P | | | | | 66 | 2362 02918000 |
| LE-AIR-CONDITIONING-DUCT-RH | | AIR-CONDITIONING-707-131 | AIR | 230P | | | | | 66 | 2364 02920000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1969

| PART CLASS | QTC ANGLES | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | GROSS INDEX |
|-------------------------|------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| .00 M.O.C. | | | | | | | | | |
| STABILIZING-JACK-SYSTEM | | | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 02922000 |
| STABILIZING-JACK-SYSTEM | | | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 02924000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NONELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER PART | | PART HOURS | YR | CROSS INDEX |
|--------------|---|------------------------|-------------|--------------|---------------|------------|------------|----|---------------|
| | | | | | 90 CONF LIMIT | POPULATION | | | |
| 281 ANTENNAS | | | | | | | | | |
| | RECEIVER-AN/ARN-31-AT-326 | | AIR | * | 27.1597 | 50 | .08478 | 63 | 1198 02926000 |
| | VHF-RADIO-COMM-RANGE-NAVIGATION-SYSTEM | | AIR | * | 27.9917 | 152 | .0826 | 66 | 1250 02926000 |
| | IFF-SYSTEM-AN/APX-46V-TRANSPONDER (STORAGE) | | AIR | * | 55.5834 | 76 | .04113 | 65 | 1250 02930000 |
| | IFF-SYSTEM-AN/APX-46V-TRANSPONDER | | AIR | * | 2.47964 | | .9286 | 66 | 2521 02932000 |
| | MARKER-BEACON-RADIO-ARN-32 | | AIR | * | 93.1472 | 40 | .02472 | 65 | 1227 02934000 |
| | TRANSMITTER-APN-155-RADAR-ALTIMETER | | AIR | * | 192.847 | 31 | .01154 | 63 | 1111 02936000 |
| | SLIDE-SLOPE-SYSTEM-RADIO-NAVIGATION | | AIR | * | 677.235 | | .0034 | 65 | 1188 02938000 |
| | MARKER-BEACON-RADIO-NAVIGATION | | AIR | * | 93.1472 | 48 | .02672 | 65 | 1217 02940000 |
| | RADAR-CC-8 | | AIR | * | 55.5834 | 76 | .01113 | 66 | 1250 02942000 |
| | RADAR-BEACON-APN-69 | | AIR | * | 192.847 | 31 | .01134 | 66 | 2381 02944000 |
| | LOGAN-SYSTEM-AN/APN-151 | | AIR | * | 93.1472 | 48 | .01472 | 65 | 1227 02946000 |
| | OMNI-DIRECTIONAL-RADIO-ARN-14 | | AIR | * | 192.847 | 31 | .01194 | 63 | 1111 02950000 |
| | MARKER-BEACON-RADIO-NAVIGATION | | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 02952000 |
| | LIAISON-RADIO-ARC-21-ARC-65 | | AIR | * | 192.847 | 31 | .01194 | 63 | 1111 02954000 |
| | RECEIVING-SET-APR-9 | | AIR | * | 96.4641 | 62 | .02387 | 63 | 1111 02956000 |
| | TACAN-RADIO-AN/ARN-21B | | AIR | * | 192.847 | 31 | .01134 | 63 | 1111 02958000 |
| | MARKER-BEACON-EQUIPMENT-AT-536 | | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 02960000 |
| | TACAN-SYSTEM-AN/ARN-21-AT-741A | | AIR | * | 27.1597 | 50 | .08478 | 63 | 1111 02962000 |
| | LOGAN-SYSTEM-AN/APN-151 (STORAGE) | | AIR | * | 55.5834 | 76 | .04113 | 66 | 1217 02964000 |
| | HIGH-RANGE-ALTIMETER-SCRT18-ATS05 | | AIR | * | 2.2259 | | .13326 | 66 | 2521 02966000 |
| | RADIO SCENE-AN/ANT-6 | | AIR | * | 4.53598 | 200 | .50763 | 65 | 1198 02968000 |
| | RECEIVER-AN/ARN-18-MN-928 | | AIR | * | 220.344 | 50 | .01114 | 63 | 1198 02970000 |
| | AN/APR-6 | | AIR | * | 27.1597 | 50 | .08478 | 63 | 1198 02972000 |
| | RECEIVER-AN/ARN-67-37P-5 | | AIR | * | 220.344 | 50 | .01045 | 63 | 1198 02974000 |
| | RECEIVER-APN-155-RADAR-ALTIMETER | | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 02976000 |
| | RECEIVING-SET-APR-14 | | AIR | * | 6772.35 | | .00034 | 65 | 1188 02978000 |
| | | | AIR | * | 64.3004 | 93 | .03581 | 63 | 1111 02980000 |
| | HIGH-RANGE-ALTIMETER-AT-505/AT-913 | | LAB | 2 | | | | 63 | 1138 02982000 |
| | UHF-D-F-SYSTEM-AN/ARA-25 | | AIR | 2.14832 | 8.35632 | 400 | .35548 | 65 | 1198 02984000 |
| | UHF-D-F-SYSTEM-AN/ARA-25 | | AIR | 5.89761 | 2.9359 | 100 | .16956 | 63 | 1198 02986000 |
| | IFF-SYSTEM-AN/APX-25-AT-234 | | AIR | 6.7114 | 26.1053 | 100 | .149 | 63 | 1114 02988000 |
| | VHF-NAVIGATION-SYSTEM-AN/ARN-14 | | AIR | 7.8796 | 20.9687 | 100 | .25362 | 65 | 1198 02990000 |
| | RECEIVER-AN/ARN-31-AT-326 | | AIR | 7.8796 | 30.6492 | 50 | .12691 | 65 | 1198 02992000 |
| | IFF-SYSTEM-AN/APX-25-AT-234 | | AIR | 7.8796 | 30.6492 | 50 | .12691 | 65 | 1198 02994000 |
| | RECEIVER-AN/ARN-31-AT-326 | | AIR | 8.59328 | 19.1366 | 300 | .34311 | 65 | 1198 02996000 |
| | VHF-NAVIGATION-SYSTEM-AN/ARN-14 | | AIR | 11.3636 | 44.2011 | 102 | .088 | 63 | 1114 02998000 |
| | IFF-SYSTEM-AN/APX-25-AT-234 | | AIR | 11.3636 | 44.2011 | 102 | .088 | 63 | 1114 03000000 |
| | VHF-NAVIGATION-SYSTEM-AN/ARN-14 | | AIR | .3636 | 30.403 | 204 | .176 | 63 | 1114 03002000 |
| | IFF-SYSTEM-AN/APX-25-AT-234 | | AIR | .7952 | 45.8799 | 50 | .08478 | 63 | 1198 03004000 |
| | UHF-COMMUNICATION-SYSTEM-AN/ARC-90 | | AIR | 11.7952 | 45.8799 | 50 | .08478 | 63 | 1198 03006000 |
| | VHF-NAVIGATION-SYSTEM-AN/ARN-14 | | AIR | 12.158 | 32.3544 | 304 | .1645 | 66 | 1250 03008000 |
| | VHF-NAVIGATION-SYSTEM-AN/ARN-14 | | AIR | 13.3333 | 51.8620 | 50 | .075 | 63 | 1114 03010000 |
| | VHF-NAVIGATION-SYSTEM-AN/ARN-14 | | AIR | 17.1865 | 45.734 | 100 | .11637 | 65 | 1198 03012000 |

200 N.J.C.

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

MONELCTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS C81 ANTENNAS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT RATE

FAILURE 90 CONF
LIMIT

UPPER PART
LATION

PART

YR

OF DATA

INDEX

RPT SRCE REF NO

.00 N.O.C.

| | | | | | | | |
|--|----------------|---------|---------|-----|--------|---------|-----------|
| VHF-RADIO-COMM-RANGE-NAVIGATION-SYSTEM | AIR SHP GRD 20 | 20.2265 | 78.6751 | 96 | .04946 | 58 212 | 03014000 |
| VHF-COMMUNICATION-SYSTEM-37R-1 | AIR | 20.4081 | 79.3816 | 102 | .049 | 63 1114 | 03016000 |
| AN/ART-28-RADIO-TRANSMITTER | AIR | 21.4178 | 83.309 | 63 | .04659 | 64 1155 | 03020000 |
| DOPPLER-RADAR-AN/ASN-147 | AIR | 23.6387 | 52.642 | 50 | .12691 | 65 1198 | 03022000 |
| MARKER-BEACON-AN/ARN-32 | AIR | 23.6387 | 52.642 | 50 | .12691 | 65 1198 | 03024000 |
| GLIDE-SLOPE-SYSTEM-RADIO-NAVIGATION | AIR | 24.3131 | 94.5708 | 76 | .04113 | 66 1250 | 02026000A |
| VHF-COMMUNICATION-SYSTEM-AN/ARC-49 | AIR | 25.5558 | 99.4045 | 50 | .03913 | 65 1198 | 03028000 |
| VHF-COMMUNICATION-SYSTEM | AIR | 25.641 | 91.7358 | 102 | .039 | 63 1114 | 03030000 |
| HIGH-RANGE-APCS-SCR-718-AN-48/ARN-1 | AIR | 29.488 | 54.6986 | 100 | .16956 | 63 1198 | 03032000 |
| MARKER-BEACON-AN/ARA-32-AT-536 | AIR | 34.0909 | 75.9181 | 102 | .088 | 63 1114 | 03034000 |
| UHF-D-F-SYSTEM-AN/ARA-25-AS-578A | AIR | 34.0909 | 75.9181 | 102 | .088 | 63 1114 | 03036000 |
| MARKER-BEACON-AN/ARN-58 | AIR | 34.2231 | 76.2126 | 406 | .08766 | 64 1179 | 03038000 |
| UHF-D-F-SYSTEM-AN/ARA-25-AS-578A | AIR | 34.3731 | 68.6908 | 100 | .11637 | 65 1198 | 03040000 |
| TRANSMITTER-ALT-68 | AIR | 35.9023 | 63.0211 | 434 | .16712 | 65 1111 | 03042000 |
| HIGH-RANGE-ALTIMETER-SCR718-AT505/333 | AIR | 36.3345 | 55.9033 | 200 | .33912 | 63 1198 | 03044000 |
| UHF-D-F-SYSTEM-AN/ARA-25-AS-578A | AIR | 39.3979 | 73.0809 | 50 | .12691 | 65 1198 | 03046000 |
| HIGH-RANGE-ALTIMETER-SCR718-AT505/333 | AIR | 43.4782 | 63.4045 | 200 | .299 | 63 1114 | 03048000 |
| IFF-SYSTEM-AN/APX-46-UPPER | AIR | 43.756 | 81.1647 | 473 | .11427 | 65 1228 | 03050000 |
| MARKER-BEACON-EQUIPMENT | AIR | 47.1809 | 94.2657 | 50 | .08478 | 63 1198 | 03052000 |
| SHGRAN-AN/APN-84-IP-186-HIRAN-SYSTEM | AIR | 47.8697 | 186.199 | 100 | .02039 | 63 1198 | 03054000 |
| SHGRAN-AN/APN-84-IP-186-HIRAN-SYSTEM | AIR | 52.6315 | 204.721 | 100 | .019 | 63 1114 | 03056000 |
| MARKER-BEACON-EQUIPMENT | AIR | 53.3333 | 104.58 | 50 | .075 | 63 1114 | 03058000 |
| VHF-COMMUNICATION-SYSTEM-AN/ARC-49 | AIR | 58.9761 | 109.397 | 50 | .08478 | 63 1198 | 03060000 |
| HF-COMMUNICATION-SYSTEM | AIR | 60.1529 | 86.4827 | 200 | .23274 | 65 1198 | 03062000 |
| UHF-COMMUNICATION-SYSTEM-AN/ARC-90 | AIR | 60.6796 | 106.513 | 192 | .09886 | 65 1227 | 03064000 |
| VHF-COMMUNICATION-SYSTEM | AIR | 60.6796 | 135.129 | 96 | .04944 | 65 1227 | 03066000 |
| TACAN-SYSTEM-AN/ARN-21C | AIR | 60.6796 | 135.129 | 96 | .04944 | 65 1227 | 03068000 |
| VHF-COMMUNICATION-SYSTEM-101-37R-1 | AIR | 63.0367 | 102.393 | 50 | .12691 | 65 1198 | 03070000 |
| VHF-COMMUNICATION-SYSTEM-AN/ARC-49 | AIR | 66.6666 | 123.662 | 50 | .075 | 63 1114 | 03072000 |
| DOPPLER-RADAR-AN/APN-147-AS-1168 | AIR | 68.6666 | 259.313 | 68 | .015 | 63 1114 | 03074000 |
| IFF-SYSTEM-AN/APX-46-UPPER | AIR | 68.4482 | 120.147 | 406 | .08766 | 64 1179 | 03076000 |
| RADIO-AN/ARC-52-UHF | AIR | 72.7907 | 135.022 | 48 | .06869 | 64 1162 | 03078000 |
| MARKER-BEACON-AN/ARN-58 | AIR | 73.3746 | 91.1134 | 597 | .51789 | 67 1272 | 03080000 |
| MARKER-BEACON-AN/ARN-58 | AIR | 78.7609 | 124.319 | 473 | .11427 | 65 1228 | 03082000 |
| DATA-LINK | AIR | 85.7142 | 190.88 | 320 | .035 | 61 1080 | 03084000 |
| GLIDE-SLOPE-INSTRUMENT-LANDING-SYSTEM | AIR | 85.7142 | 190.88 | 320 | .035 | 61 1080 | 03086000 |
| VHF-COMMUNICATION-IGN-SYSTEM | AIR | 109.409 | 172.656 | 152 | .08226 | 66 1250 | 03088000 |
| DME | AIR | 110 | | | | 66 2380 | 03090000 |

64

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | SET ANTENNAS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|--|--------------|------------------------|-------------|--------------|---------------------|-----------------|------------|-----------------|----------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE REF NO | |
| ALL N.O.C. | | | | | | | | | |
| IFF-SYSTEM-AN/APX-46-LOWER | | AIR | | 125.509 | 147.911 | 597 | .51789 | 67 | 1272 03092000A |
| IFF-SYSTEM-AN/APX-46-LOWER | | AIR | | 148.77 | 206.581 | 473 | .11427 | 65 | 1228 03094000 |
| HIGH-RANGE-APCS-SCR-718-AN-48/ARN-1 | | AIR | | 157.894 | 351.621 | 100 | .019 | 63 | 1114 03096000 |
| IFF-SYSTEM-AN/APX-46-UPPER | | AIR | | 164.127 | 185.375 | 597 | .51789 | 67 | 1272 03098000A |
| HF-COMMUNICATION-SYSTEM | | AIR | | 164.772 | 211.355 | 204 | .176 | 63 | 1114 03100000 |
| TRACK-NADAR-ASG-15-FIRE-CONTROL-SYSTEM | | AIR | | 167.504 | 445.753 | 31 | .01194 | 63 | 1111 03102000 |
| HF-COMMUNICATION-SYSTEM | | AIR | | 177.29 | 216.298 | 100 | .25382 | 65 | 1158 03104000 |
| TACAN-SYSTEM-AN/ARN-86 | | AIR | | 181.818 | 707.218 | | .0055 | 66 | 1263 03106000A |
| GMN1-DMN4-4 | | HELI | | 185.185 | 720.314 | 20 | .0054 | 66 | 1257 03108000 |
| DOPPLER-RADAR-AN/APN-147-AS-1168 | | AIR | | 212.265 | 375.19 | 48 | .02472 | 65 | 1227 03110000 |
| DOPPLER-RADAR-AN/APN-147-AS-1158 | | AIR | | 243.131 | 374.584 | 76 | .04113 | 66 | 1257 03112000A |
| COMMAND-RADIO-ARC-34 | | AIR | | 251.361 | 441.227 | 62 | .02287 | 63 | 1111 03114000 |
| TACAN-SYSTEM-AN/ARN-21-AT-741 | | AIR | | 252.147 | 319.46 | 50 | .12631 | 65 | 1198 03116000 |
| VHF-COMMUNICATION-SYSTEM-101-37R-1 | | AIR | | 292.171 | 367.475 | 100 | .11637 | 65 | 1198 03118000 |
| IFF-SYSTEM-AN/APX-46-LOWER | | AIR | | 319.415 | 411.585 | 406 | .08766 | 64 | 1179 03120000 |
| HF-COMMUNICATION-SYSTEM | | AIR | | 322.147 | 390.318 | 100 | .149 | 63 | 1114 03122000 |
| RADAR-TRANSPONDER-GUIDANCE | | GRD | | 338.985 | 902.084 | | .0059 | 62 | 1135 03124000 |
| HF-COMMUNICATION-SYSTEM | | AIR | | 342.001 | 407.13 | 100 | .16556 | 63 | 1158 03126000 |
| DOPPLER-RADAR-AN/APN-147-AS-1168 | | AIR | | 343.731 | 424.623 | 100 | .11637 | 65 | 1198 03128000 |
| AUTOMATIC-DIRECTION-FINDER | | AIR | | 374.531 | 1456.81 | 36 | .00267 | 66 | 1256 03130000A |
| GLIDE-SLOPE-AN/ARN-58 | | AIR | | 411.306 | 459.391 | 473 | .11427 | 65 | 1228 03132000 |
| GLIDE-SLOPE-AN/ARN-58 | | AIR | | 456.308 | 563.428 | 406 | .08766 | 64 | 1179 03134000 |
| SEARCH-RADAR-AN/APN-59-AS-653 | | AIR | | 466.666 | 784.726 | 68 | .015 | 63 | 1114 03136000 |
| RADAR | | AIR | | 490 | | | | 66 | 2380 03138000 |
| GLIDE-SLOPE-AN/ARN-58 | | AIR | | 588.582 | 644.545 | 597 | .51789 | 67 | 1272 03140000 |
| SEARCH-RADAR-AN/APN-59-AS-653 | | AIR | | 1056.97 | 1189.89 | 100 | .11637 | 65 | 1198 03142000 |
| SEARCH-RADAR-AN/APN-59 | | AIR | | 1132.68 | 1459.56 | 48 | .02472 | 65 | 1227 03144000 |
| SEARCH-RADAR-AN/APN-59-AS-653 | | AIR | | 1147.72 | 1308.38 | 102 | .088 | 63 | 1114 03146000 |
| SEARCH-RADAR-AN/APN-59-AS-653 | | AIR | | 1339.53 | 1481.03 | 50 | .12691 | 65 | 1198 03148000 |
| SEARCH-RADAR-AN/APN-59 | | AIR | | 1677.6 | 1567.26 | 76 | .04113 | 66 | 1250 03150000 |
| SEARCH-RADAR-AN/APN-59-AS-653 | | AIR | | 1954.54 | 2394.81 | | .022 | 58 | 212 03152000 |
| SEARCH-RADAR-AN/APN-59-AS-653 | | AIR | | 2488.79 | 2723.05 | 50 | .08478 | 63 | 1198 03154000 |
| SEARCH-RADAR-AN/APN-59-AS-653 | | AIR | | 2814.28 | 3089.05 | 50 | .070 | 63 | 1114 03156000 |
| SEARCH-RADAR-AN/APS-42-AS-428 | | AIR | | 3157.55 | 4245.7 | 50 | .00556 | 63 | 1198 03158000 |
| SEARCH-RADAR-AN/APS-42-AS-428 | | AIR | | 3400 | 4721.22 | 50 | .005 | 63 | 1114 03160000 |
| SEARCH-RADAR | | AIR | | 11985 | 15184.5 | 36 | .00267 | 66 | 1255 03162000A |
| AN/APS-82-NADAR-SET | | AIR | | 25000 | 25953.1 | 63 | .04384 | 64 | 1155 03164000 |
| NAVIGATION-7-7-131B | | AIR | | 61P | | | | 66 | 2361 03166000 |
| NAVIGATION-7-7-131B | | AIR | | 71P | | | | 65 | 2362 03168000 |
| NAVIGATION-7-7-131B | | AIR | | 71P | | | | 65 | 2364 03170000 |
| NAVIGATION-68C | | AIR | | 71P | | | | 66 | 2360 03172000 |
| NAVIGATION-7-7-131B | | AIR | | 81P | | | | 65 | 2362 03174000 |
| NAVIGATION-7-7-331B | | AIR | | 100P | | | | 66 | 2364 03176000 |
| NAVIGATION-727 | | AIR | | 111P | | | | 66 | 2365 03178000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 001 ANTENNAS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | QBI ANTENNAS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POPULATION | PART LATION | YR OF DATA | CROSS INDEX |
|------------------|---------------------------------|------------------------|-------------|--------------|-------------|-----------------|-------------|------------|----------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| .00 N.G.C. | | | | | | | | | |
| DOPPLER | NAVIGATION-707-331 | AIR | 620P | | | | | 65 | 2364 03248000 |
| DOPPLER | NAVIGATION-707-331 | AIR | 670P | | | | | 66 | 2364 03250000 |
| DOPPLER | NAVIGATION-707-331 | AIR | 680P | | | | | 66 | 2362 03252000 |
| DRIVE | | AIR | 5695 | | | | | 57 | 211 03254000 |
| FORWARD-IFF | | SIM GRD AIR | * | .02505 | 91.9201 | 195 | | 64 | 1181 03256000A |
| GLIDE-SLOPE | NAVIGATION-880 | AIR | 180P | | | | | 65 | 2363 03258000 |
| GLIDE-SLOPE | NAVIGATION-707-131B | AIR | 260P | | | | | 66 | 2364 03260000 |
| GLIDE-SLOPE | NAVIGATION-707-331 | AIR | 310P | | | | | 66 | 2362 03262000 |
| MF-AFT-BULLET | HORIZONTAL-STABILIZER-EMPENNAGE | AIR | * | .02472 | 93.1472 | 48 | | 65 | 1227 03264000 |
| MF-AFT-BULLET | HORIZONTAL-STABILIZER-EMPENNAGE | AIR | * | .04113 | 55.9834 | 76 | | 66 | 1250 03266000 |
| MF-FWD-BULLET | HORIZONTAL-STABILIZER-EMPENNAGE | AIR | * | .04113 | 55.9834 | 76 | | 66 | 1250 03268000A |
| MF-FWD-BULLET | HORIZONTAL-STABILIZER-EMPENNAGE | AIR | * | .02472 | 93.1472 | 48 | | 65 | 1227 03270000 |
| HORN-DUAL-OUTPUT | | SHP | 852.878 | | 1385.36 | 40 | | 65 | 1223 03272000 |
| HORN-SIDE-ANGLE | | SHP | 50.0225 | | 158.021 | 40 | | 65 | 1223 03274000 |
| LOCALIZER | INSTRUMENT-LANDING-SYSTEM | AIR | 28.5714 | | 111.134 | 320 | | 61 | 1080 03276000A |
| LOCALIZER | AN/ARN-58 | AIR | 79.8539 | | 134.279 | 406 | | 64 | 1179 03278000 |
| LOCALIZER | AN/ARN-58 | AIR | 105.014 | | 155.609 | 473 | | 65 | 1228 03280000 |
| LOOP | AN/ARN-58 | AIR | 353.356 | | 389.24 | 597 | | 67 | 1272 03282000 |
| LOOP | RADIO-COMPASS-ADF-SYSTEM | AIR | * | .04944 | 46.5736 | 96 | | 65 | 1227 03284000 |
| LOOP | ADF | AIR | * | | | | | 64 | 2300 03286000 |
| LOOP | RADIO-COMPASS-ADF-SYSTEM | AIR | 12.1565 | | 47.2854 | 152 | | 66 | 1250 03288000 |
| LOOP | RADIO-COMPASS-AN/ARN-6-AS-313A | AIR | 32.250 | | 125.474 | 136 | | 63 | 1114 03290000 |
| LOOP | RADIO-COMPASS-AN/ARN-6-AS-313A | AIR | 34.0909 | | 59.8414 | 204 | | 63 | 1114 03292000 |
| LOOP | RADIO-COMPASS-AN/ARN-6-AS-313A | AIR | 39.3979 | | 60.6991 | 100 | | 65 | 1198 03294000 |
| LOOP | RADIO-COMPASS-AN/ARN-6-AS-313A | AIR | 100.259 | | 139.219 | 100 | | 63 | 1198 03296000 |
| LOOP | RADIO-COMPASS-AN/ARN-6-AS-313A | AIR | 100.671 | | 142.902 | 100 | | 63 | 1114 03298000 |
| LOWER | AN/ARC-13-AUTO-DIRECTION-FINDER | AIR | 121.951 | | 177.041 | 63 | | 64 | 1140 03300000 |
| LOWER | AN/ARC-34X-UMF-COMMUNICATION | AIR | 182.523 | | 256.121 | 406 | | 64 | 1179 03302000 |
| LOWER | AN/ARC-34X-UMF-COMMUNICATION | AIR | 235.571 | | 265.326 | 597 | | 67 | 1272 03304000A |
| MARKER | AN/ARC-34X-UMF-COMMUNICATION | AIR | 253.784 | | 325.531 | 473 | | 65 | 1228 03306000 |
| MARKER | NAVIGATION-880 | AIR | 150P | | | | | 66 | 2365 03308000 |
| MARKER | NAVIGATION-880 | AIR | 160P | | | | | 65 | 2363 03310000 |
| MARKER | NAVIGATION-880 | AIR | 170P | | | | | 65 | 2363 03312000 |
| MARKER | NAVIGATION-880 | AIR | 180P | | | | | 65 | 2363 03314000 |
| MARKER | NAVIGATION-880 | AIR | * | | | | | 66 | 2363 03316000 |
| MARKER | NAVIGATION-880 | AIR | 1257.90 | | 1486.47 | 140 | | 66 | 2368 03318000 |
| MARKER | NAVIGATION-880 | AIR | 13.5798 | | 160 | | | 65 | 1198 03320000 |
| MARKER | NAVIGATION-880 | AIR | 12.1565 | | 47.2854 | 152 | | 64 | 1250 03322000 |
| MARKER | NAVIGATION-880 | AIR | 23.8904 | | 45.5736 | 96 | | 65 | 1227 03324000 |
| MARKER | NAVIGATION-880 | AIR | 26.6666 | | 62.7177 | 50 | | 63 | 1198 03326000 |
| MARKER | NAVIGATION-880 | AIR | 26.6666 | | 70.964 | 50 | | 63 | 1114 03328000 |
| MARKER | NAVIGATION-880 | AIR | 106.866 | | 209.156 | 120 | | 65 | 1213 03330000 |
| MARKER | NAVIGATION-880 | AIR | 7.8796 | | 30.6492 | 50 | | 65 | 1198 03332000 |
| MARKER | NAVIGATION-880 | AIR | 60.6798 | | 135.129 | 96 | | 65 | 1227 03334000 |
| MARKER | NAVIGATION-880 | AIR | 1257.90 | | 1486.47 | 140 | | 66 | 2368 03336000 |
| MARKER | NAVIGATION-880 | AIR | 13.5798 | | 160 | | | 65 | 1198 03338000 |
| MARKER | NAVIGATION-880 | AIR | 12.1565 | | 47.2854 | 152 | | 64 | 1250 03340000 |
| MARKER | NAVIGATION-880 | AIR | 23.8904 | | 45.5736 | 96 | | 65 | 1227 03342000 |
| MARKER | NAVIGATION-880 | AIR | 26.6666 | | 62.7177 | 50 | | 63 | 1198 03344000 |
| MARKER | NAVIGATION-880 | AIR | 106.866 | | 209.156 | 120 | | 65 | 1213 03346000 |
| MARKER | NAVIGATION-880 | AIR | 7.8796 | | 30.6492 | 50 | | 65 | 1198 03348000 |
| MARKER | NAVIGATION-880 | AIR | 60.6798 | | 135.129 | 96 | | 65 | 1227 03350000 |

ROME AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1962

| PART CLASS | 381 ANTENNAS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR RPT | CROSS DATA INDEX |
|------------------------|------------------------------|------------------------|-------------|--------------|---------------------|-----------------|------------|-----------|------------------|
| PART DESCRIPTION | | | | | | | | | |
| 00 N.O.C. | | | | | | | | | |
| TOP | UHF-COMMUNICATION-AN/ARC-34 | AIR | 111-111 | 432.188 | 50 | .009 | 63 1114 | 83330000 | |
| TOP | TACAN-SYSTEM-AN/ARN-21C | AIR | 121-365 | 187.292 | 152 | .0822A | 66 1250 | 83340000A | |
| TOP | TACAN-SYSTEM-AN/ARN-21A-741 | AIR | 272-727 | 353.903 | 102 | .088 | 63 114 | 83342000 | |
| TRANSMIT-RECEIVE-LOWER | TACAN | AIR | 50-2449 | 100.408 | | .07961 | 6 1123 | 83344000 | |
| TRANSMIT-RECEIVE-UPPER | TACAN | AIR | 80-5152 | 160.9 | | .04968 | 33 1123 | 83346000 | |
| TRANSPONDER | | GRD | 759-593 | 1333.17 | | .0079 | 62 1135 | 83348000 | |
| UHF | AN/ARC-34X-UHF-COMMUNICATION | AIR | 28-5714 | 111.134 | 320 | .035 | 61 1080 | 83350000 | |
| UPPER | AN/ARC-34X-UHF-COMMUNICATION | AIR | 52-5072 | 92.1685 | 473 | .11477 | 65 1228 | 83352000 | |
| UPPER | AN/ARC-34X-UHF-COMMUNICATION | AIR | 136-592 | 202.846 | 406 | .06766 | 64 1179 | 83354000 | |
| UPPER | UHF-COMMUNICATION/IFF | AIR | 161-265 | 185.249 | 597 | .51789 | 67 1272 | 83356000 | |
| VERTICAL | COMMUNICATIONS-707-131 | SIM GRD AIR | 1102 | 91.9201 | 195 | .02505 | 64 1181 | 83358000A | |
| VHF | COMMUNICATIONS-707-131 | AIR | 110P | | | | 66 2361 | 83360000 | |
| VHF | COMMUNICATIONS-707-131 | AIR | 11CP | | | | 66 2364 | 83362000 | |
| VHF | COMMUNICATIONS-707-331 | AIR | 130P | | | | 66 2361 | 83364000 | |
| VHF | COMMUNICATIONS-707-331 | AIR | 140P | | | | 66 2361 | 83366000 | |
| VHF | COMMUNICATIONS-707-131 | AIR | 150P | | | | 65 2362 | 83368000 | |
| VHF | COMMUNICATIONS-707-331 | AIR | 170P | | | | 65 2362 | 83370000 | |
| VHF | COMMUNICATIONS-707-331 | AIR | 310P | | | | 66 2364 | 83372000 | |
| VHF | COMMUNICATIONS-707-331 | AIR | 340P | | | | 66 2364 | 83374000 | |
| VHF | COMMUNICATIONS-707-131 | AIR | 410P | | | | 65 2364 | 83376000 | |
| VHF | COMMUNICATIONS-707-331 | AIR | 460P | | | | 66 2362 | 83378000 | |
| VHF | COMMUNICATIONS-707-331 | AIR | 680P | | | | 66 2362 | 83380000 | |
| VHF | COMMUNICATIONS-707-131 | AIR | 780P | | | | 65 2361 | 83382000 | |
| VHF | COMMUNICATIONS-880 | AIR | 320P | | | | 65 2365 | 83384000 | |
| VHF-1 | COMMUNICATIONS-880 | AIR | 320P | | | | 65 2365 | 83386000 | |
| VHF-1 | COMMUNICATIONS-880 | AIR | 320P | | | | 65 2365 | 83388000 | |
| VHF-2 | COMMUNICATIONS-880 | AIR | 160P | | | | 66 2365 | 83390000 | |
| VHF-2 | COMMUNICATIONS-880 | AIR | 160P | | | | 66 2365 | 83392000 | |
| VHF-2 | COMMUNICATIONS-880 | AIR | 290P | | | | 66 2360 | 83394000 | |
| VHF-2 | COMMUNICATIONS-880 | AIR | 300P | | | | 66 2360 | 83396000 | |
| VHF-2 | COMMUNICATIONS-880 | AIR | 320P | | | | 65 2360 | 83398000 | |
| VHF-2 | COMMUNICATIONS-880 | AIR | 450P | | | | 66 2365 | 83398000 | |
| VHF-2 | COMMUNICATIONS-880 | AIR | 45LP | | | | 66 2365 | 83400000 | |
| VHF-2 | COMMUNICATIONS-880 | AIR | 720P | | | | 65 2363 | 83402000 | |
| VHF-2 | COMMUNICATIONS-880 | AIR | 840P | | | | 66 2263 | 83404000 | |
| VHF-2 | COMMUNICATIONS-880 | AIR | 910P | | | | 66 2363 | 83406000 | |

20 RADAR FIXED POSITION

| | | | | | | | |
|---------------------|-----|---------|---------|----|------|---------|----------|
| AIRBORNE. | AIR | 1166-66 | 1677-33 | 31 | .012 | 63 1111 | 83408000 |
| HEAD | | | | | | | |
| AIRBORNE. | AIR | 83-3233 | 324-141 | 31 | .012 | 63 1111 | 83410000 |
| SLOT | | | | | | | |
| AIRBORNE-SHF-SPIRAL | AIR | 222-222 | 760-963 | 93 | .036 | 63 1111 | 83412000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|---|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | |
| .50 RADIO AND COMMUNICATIONS FIXED POSITION | | | | | | | | |
| AIRBORNE-WF-EIR-CAP | ARC-58 | AIR | 1750 | 2349.89 | 31 | .012 | 63 | 1111 03414000 |
| AIRBORNE-WHF-ROD | ARC-34 | AIR | 250 | 438.837 | 62 | .024 | 63 | 1111 03416000 |
| AIRBORNE-VME-DIFOLE-ARN-31 | | AIR | 83.3333 | 324.141 | 31 | .012 | 63 | 1111 03418000 |

ROME AIR DEVELOPMENT CENTER, CRATFESS AFB, MO.
SECTION 1 FAILURE RATE DATA

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

| PART CLASS | 082 ANVILS, 20 MM GUN | FUNCTIONAL APPLICATION | ENVIRONMENT RATE | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | TR OF DATA INDEX | CROSS REF NO |
|------------------|-----------------------|------------------------|------------------|--------------|---------------------|-----------------|------------|------------------|--------------|
| PART DESCRIPTION | | | | | | | | | |

000 M.O.C.

| | | | | | | | |
|-----|-----|----------|---|----|----|------|----------|
| GRD | 40R | 64.9735R | 4 | 0R | 64 | 1134 | 03420000 |
|-----|-----|----------|---|----|----|------|----------|

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NONELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | PART DESCRIPTION | ORF ATOMIZERS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF RPT | CROSS DATA INDEX | SRCE REF NO |
|---------------------------|------------------------------|---------------|------------------------|-------------|--------------|---------------------|-----------------|------------|-----------|------------------|-------------|
| -00 N.O.C. | | | | | | | | | | | |
| APU-FUEL | AIRBORNE-AUXILIARY-POWER-727 | | | AIR | 190P | | | | 66 | 2360 | 03422000 |
| APU-FUEL | AIRBORNE-AUXILIARY-POWER-727 | | | AIR | 400P | | | | 66 | 2365 | 03424000 |
| APU-FUEL | AIRBORNE-AUXILIARY-POWER-727 | | | AIR | 540P | | | | 66 | 2365 | 03426000 |
| AUXILIARY-POWER-UNIT-FUEL | AIRBORNE-AUXILIARY-POWER-727 | | | AIR | 240P | | | | 66 | 2365 | 03428000 |
| AUXILIARY-POWER-UNIT-FUEL | AIRBORNE-AUXILIARY-POWER-727 | | | AIR | 650P | | | | 66 | 2365 | 03430000 |
| AUXILIARY-POWER-UNIT-FUEL | AIRBORNE-AUXILIARY-POWER-727 | | | AIR | 680P | | | | 65 | 2365 | 03432000 |
| -10 FUEL NOZZLE | | | | | | | | | | | |
| GAS-TURBINE-COMPRESSOR | AUX-POWER-PLANT | | | AIR | 15.7551 | 41.9375 | 50 | .12691 | 65 | 1198 | 03434000 |
| GAS-TURBINE-COMPRESSOR | AUX-POWER-PLANT | | | AIR | 22.7272 | 60.4806 | 102 | .088 | 63 | 1114 | 03436000 |
| GAS-TURBINE-COMPRESSOR | AUX-POWER-PLANT | | | AIR | 34.3731 | 66.6908 | 100 | .11637 | 65 | 1198 | 03438000 |
| GAS-TURBINE-COMPRESSOR | AUX-POWER-PLANT | | | AIR | 47.1809 | 94.2857 | 50 | .08478 | 63 | 1198 | 03440000 |
| GAS-TURBINE-COMPRESSOR | AUX-POWER-PLANT | | | AIR | 53.3333 | 106.58 | 50 | .075 | 63 | 1114 | 03442000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1969

PART CLASS 092 AXES

PART DESCRIPTION

.00 M.O.C.

FUNCTIONAL APPLICATION

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|-------------|--------------|---------------------|-----------------|------------|------------|----------------|
| | | | | | | |
| AIR | 24.3161 | 48.593 | 304 | .1645 | 64 | 1280 03444000A |
| AIR | 40.453 | 80.8489 | 132 | .0988 | 65 | 1227 03446000 |
| AIR | 32.258 | 192.847 | 31 | .01194 | 63 | 1111 03448000 |
| AIR | 45.4565 | 125.474 | 136 | .031 | 63 | 1114 03450000 |
| AIR | 55.1971 | 73.8335 | 204 | .176 | 63 | 1114 03452000 |
| AIR | 103.119 | 75.1002 | 100 | .25382 | 65 | 1198 03454000 |
| AIR | 171.03 | 135.703 | 200 | .23274 | 65 | 1198 03456000 |
| AIR | 187.919 | 219.382 | 100 | .16956 | 63 | 1198 03458000 |
| AIR | | 242.147 | 100 | .149 | 63 | 1114 03460000 |

EVACUATION-EQUIPMENT
EVACUATION-EQUIPMENT
SURVIVAL-EQUIPMENT
ESCAPE-EQUIPMENT-EMERGENCY
ESCAPE-EQUIPMENT-EMERGENCY
ESCAPE-EQUIPMENT-EMERGENCY
ESCAPE-EQUIPMENT-EMERGENCY
ESCAPE-EQUIPMENT-EMERGENCY
ESCAPE-EQUIPMENT-EMERGENCY
ESCAPE-EQUIPMENT-EMERGENCY

ROPE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

| PART CLASS | C93 BAFFLES | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART PBPU-LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------|-------------|------------------|------------------------------------|-------------|--------------|---------------------|------------------|------------|------------|---------------|
| •00 N.O.C. | | | | | | | | | | |
| AERODYNAMIC | | | NOSE-LANDING-GEAR-FUSELAGE-FORWARD | CRD | I | 55.9834 | 76 | .04113 | 63 | 1138 03462800 |
| AERODYNAMIC | | | NLG-FUSELAGE-FORWARD | AIR | * | 1047.83 | 48 | .02472 | 66 | 1250 03454000 |
| CARRIAGE | | | CUTER-WING-FLAP-ASBLY | AIR | 768.608 | 55.2335 | 200 | .23274 | 65 | 1227 03466000 |
| CARRIAGE | | | CENTER-WING-FLAP-ASBLY | AIR | 34.3731 | 66.1968 | 200 | .23274 | 65 | 1198 03468000 |
| DIFFUSER-EXHAUST | | | TURBOJET. J-85 | AIR | 42.9664 | 17.0197 | 946 | .22254 | 65 | 1198 03470000 |
| FLAP | | | CUTER-WING | AIR | 4.3756 | 55.8335 | 200 | .23274 | 65 | 1228 03472000 |
| INDUCTION-AIR | | | ENGINE | HELI | 34.3731 | 1121.23 | 40 | .01267 | 65 | 1198 03474000 |
| INDUCTION-AIR | | | ENGINE | HELI | 710.339 | 2213.93 | 40 | .02468 | 66 | 1257 03476000 |
| OIL-COOLER | | | AIR-INDUCTION-TURBOPROP | AIR | 1878.61 | 22.6263 | 400 | .46543 | 65 | 1198 03478000 |
| OIL-COOLER | | | AIR-INDUCTION-TURBOPROP | AIR | 12.8899 | 27.9849 | 200 | .50763 | 65 | 1198 03480000 |
| OIL-COOLER | | | TURBOPROP-PWR-PLT | AIR | 17.7294 | 47.5117 | 200 | .299 | 63 | 1114 03482000 |
| OIL-COOLER | | | AIR-INDUCTION-TURBOPROP | AIR | 30.1003 | 48.9447 | 200 | .33912 | 63 | 1198 03484000 |
| OUTBOARD | | | WING-FLAP-ASSEMBLY | AIR | 32.4368 | 20.9687 | 100 | .25382 | 65 | 1198 03486000 |
| OUTBOARD | | | WING-FLAP-ASSEMBLY | AIR | 1.8796 | 55.8335 | 200 | .23274 | 65 | 1198 03488000 |
| OUTBOARD | | | WING-FLAP-ASSEMBLY | AIR | 34.3731 | 171.687 | 136 | .031 | 63 | 1114 03490000 |
| OUTBOARD | | | WING-FLAP-ASSEMBLY | AIR | 64.5161 | | | | 63 | 1114 03492000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | Q4 BAGS | FUNCTIONAL APPLICATION | | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|----------------------------|---------|------------------------|--|-------------|--------------|---------------------|-----------------|------------|------------|----------------|
| PART DESCRIPTION | | | | | | | | | RPT SRCE | REF NO |
| -00 N.O.C. | | | | | | | | | | |
| FLUTATION-3500-LB-BUOYANCY | | | | HELI | 100 | 175.535 | 240 | .06 | 65 | 1215 03494.00 |
| WATER-SEPARATOR | | AIR-COND-CABIN | | AIR | * | 20.1505 | 473 | .11427 | 65 | 1228 03496.000 |
| WATER-SEPARATOR | | AIR-COND-CARGO-COMPT | | AIR | 266.666 | 532.903 | 68 | .015 | 63 | 1114 03498.000 |
| WATER-SEPARATOR | | AIR-COND-CARGO-COMPT | | AIR | 654.545 | 501.251 | 102 | .088 | 63 | 1114 03500.000 |
| WATER-SEPARATOR | | AIR-COND-FLIGHT-DECK | | AIR | 466.666 | 784.726 | 68 | .015 | 63 | 1114 03502.000 |
| WATER-SEPARATOR | | AIR-COND-CARGO-COMPT | | AIR | 488.325 | 578.063 | 50 | .12691 | 65 | 1198 03524.000 |
| WATER-SEPARATOR | | AIR-COND-FLIGHT-DECK | | AIR | 511.363 | 623.613 | 102 | .088 | 63 | 1114 03506.000 |
| WATER-SEPARATOR | | AIR-COND-FLIGHT-DECK | | AIR | 512.173 | 603.593 | 50 | .12691 | 65 | 1198 03508.000 |
| WATER-SEPARATOR | | AIR-COND-CARGO-COMPT | | AIR | 756.208 | 870.361 | 100 | .11637 | 65 | 1198 03510.000 |
| WATER-SEPARATOR | | AIR-COND-FLIGHT-DECK | | AIR | 893.701 | 1016.82 | 100 | .11637 | 65 | 1198 03512.000 |
| WATER-SEPARATOR | | AIR-COND-CARGO-COMPT | | AIR | 1061.57 | 1219.85 | 50 | .08478 | 63 | 1198 03514.000 |
| WATER-SEPARATOR | | AIR-COND-CARGO-COMPT | | AIR | 1133.33 | 1307.7 | 50 | .075 | 63 | 1114 03516.000 |
| WATER-SEPARATOR | | AIR-COND-FLIGHT-DECK | | AIR | 1250.29 | 1420.75 | 50 | .08478 | 63 | 1198 03518.000 |
| WATER-SEPARATOR | | AIR-COND-FLIGHT-DECK | | AIR | 1320 | 1506.8 | 50 | .075 | 63 | 1114 03520.000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 056 BALLASTS

PART DESCRIPTION FUNCTIONAL APPLICATION

NO M.O.C.

ENVIRONMENT RATE FAILURE RATE UPPER PART PART OF DATA INDEX
LIMIT 90 CONF POPU- LATION RPT SRCE PEF NO

FUSELAGE, NOSE-SECTION
FUSELAGE, NOSE-SECTION
FUSELAGE, NOSE-SECTION

AIR *
AIR
AIR

11.4077
13.5163
20.1505
44.3725
473
406
597

.11427
.08766
.11789
65 1123 03522002
64 1179 03524000
67 1272 03526000

RBNE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 397 RAKS

PART DESCRIPTION

.00 M.O.C.

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | | PART LATION | PART HOURS | YR OF RPT | CROSS INDEX REF NO | |
|------------------------------------|------------------------|-------------|--------------|---------------------|-----|-------------|------------|-----------|--------------------|--|
| | | | | | | | | | | |
| RETRIEVAL-STATIC-LINE. | | AIR | * | 55.9834 | 76 | -04113 | 66 | 1250 | 03528000 | |
| AIR-DROP-SYSTEM | | AIR | * | 96.4641 | 62 | -02387 | 63 | 1111 | 03530000 | |
| TOW-LANDING-GEAR-NOSE | | AIR | * | 19.7868 | 100 | -11637 | 65 | 1198 | 03532000 | |
| RETRIEVAL-STATIC-LINE-AIR-DROP-SYS | | AIR | * | 93.1472 | 48 | -02472 | 65 | 1227 | 03534000 | |
| TOW-LANDING-GEAR-NOSE | | AIR | 90.909 | 147.667 | 102 | -088 | 63 | 1114 | 03536000 | |
| TOW-LANDING-GEAR-NOSE | | AIR | 141.542 | 209.737 | 50 | -08478 | 63 | 1198 | 03538000 | |
| TOW-LANDING-GEAR-NOSE | | AIR | 149.712 | 204.101 | 50 | -12691 | 63 | 1198 | 03540000 | |
| TOW-LANDING-GEAR-NOSE | | AIR | 160 | 237.087 | 50 | -075 | 63 | 1114 | 03542000 | |
| CLEAR-VISION-WINDSHIELD | | AIR | * | 46.5736 | 96 | -04544 | 65 | 1227 | 03544000 | |
| CLEAR-VISION-WINDSHIELD | | AIR | * | 27.9917 | 152 | -08226 | 66 | 1250 | 03546000 | |
| SUSPENSION-WHEEL-(M=MILES) | | GRD | 4.84966M | 10.7998M | 150 | -6186M | 66 | 1255 | 03548000 | |

LATCH
LATCH
TORSION

RORE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 103 BEAMS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|-------------------------------|-----------|------------------------|-------------|--------------|---------------------|-------------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| .00 N.O.C. | | | | | | | | | |
| CANOPY-STUDENT | | | AIR | * | 20.1505 | 473 | .11427 | 65 | 1228 03550000 |
| GUIDE-STABILIZING-JACK-SYSTEM | | | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 03552000 |
| ANCHOR-CABLE-AIR-DROP-SYSTEM | | | LAB | * | 93.1472 | 48 | .02472 | 65 | 1227 03554000 |
| DRIVE-CANOPY-INSTRUCTOR | | | AIR | * | 20.1505 | 473 | .11427 | 65 | 1228 03556000 |
| ANCHOR-CABLE-AIR-DROP-SYSTEM | | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 03558000 |
| DRIVE-CANOPY-STUDENT | | | AIR | * | 20.1505 | 473 | .11427 | 65 | 1228 03560000 |
| DRIVE-CANOPY-INSTRUCTOR | | | AIR | 5.79273 | 12.9 | 597 | .51789 | 67 | 1272 03562000 |
| CANOPY-STUDENT | | | AIR | 7.72364 | 15.4348 | 597 | .51789 | 67 | 1272 03564000 |
| GUIDE-STABILIZING-JACK-SYSTEM | | | AIR | 12.1565 | 47.2854 | 152 | .08226 | 66 | 1250 03566000 |
| LANDING-GEAR-MAIN | | | AIR | 12.1565 | 47.2854 | 152 | .08226 | 66 | 1250 03568000 |
| DRIVE-CANOPY-STUDENT | | | AIR | 15.4472 | 25.0918 | 597 | .51789 | 67 | 1272 03570000 |
| LANDING-GEAR-MAIN | | | AIR | 20.2265 | 78.6751 | 96 | .04944 | 65 | 1227 03572000 |
| | | | HELI | 549.132 | 748.628 | 49 | .0346 | 66 | 1257 03574000 |
| | | | HELI | 789.265 | 1215.99 | 40 | .01267 | 66 | 1257 03576000 |
| SEAT-CARGO-COMPARTMENT | | | AIR | * | 1.99878 | 2128 | 1.152 | 66 | 1250 03578000 |
| FUSELAGE-AFT-CENTER-SECTION | | | AIR | * | 3.32668 | 1344 | .69216 | 65 | 1227 03580000 |
| FUSELAGE-AFT-CENTER-SECTION | | | AIR | 22.8154 | 60.7152 | 406 | .08766 | 64 | 1179 03582000 |
| FUSELAGE-AFT-CENTER-SECTION | | | AIR | 35.0048 | 69.9531 | 473 | .11427 | 65 | 1228 03584000 |
| WAR-HEAD-NOSE-ASSEMBLY | | | AIR | 54.8582 | 78.1355 | 597 | .51789 | 67 | 1272 03586000 |
| AILERON-SYSTEM-FLIGHT-CONTROL | | | GRD | 126.582 | 492.367 | | .0079 | 62 | 1135 03588000 |
| AILERON-SYSTEM-FLIGHT-CONTROL | | | AIR | * | 26.2673 | 406 | .08766 | 64 | 1179 03590000 |
| AILERON-SYSTEM-FLIGHT-CONTROL | | | AIR | 9.65456 | 17.9086 | 597 | .51789 | 67 | 1272 03592000 |
| AILERON-SYSTEM-FLIGHT-CONTROL | | | AIR | 17.5024 | 46.5765 | 473 | .11427 | 65 | 1228 03594000 |

LINK-LIFT
LINK-LIFT
SUPPORT
SUPPORT
SUPPORT
SUPPORT
SUPPORT
SUPPORT
WALKING
WALKING
WALKING

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER | | | PART | | | YR | OF DATA | CROSS INDEX |
|-------------|---|------------------------|-------------|--------------|---------------|------------|----------|--------|-----|--------|-----------|---------|-------------|
| | | | | | 90 CONF LIMIT | POPULATION | LATITUDE | HOURS | RPT | SOURCE | | | |
| N.C. N.O.C. | AILERON-CONTROL-SYSTEM | AIR | * | * | 93.1472 | 48 | | .02472 | 65 | 1227 | 03596000 | | |
| | COMPRESSOR-THRUST-AUX-POWER-UNIT | AIR | * | * | 93.1472 | 48 | | .02472 | 65 | 1227 | 03596000 | | |
| | MECHANICAL-FORWARD-ENTRANCE | AIR | * | * | 23.2868 | 192 | | .09888 | 65 | 1227 | 03600000 | | |
| | FRONT-FRAME-TURBOJET-J-85 | GRD SHIP | * | * | 7.76148 | | | .29667 | 64 | 1180 | 03602000 | | |
| | HINGE-AILERON-CONTROL-RIB-FLIGHT-CONTROL | AIR | * | * | 10.0752 | 200 | | .22854 | 65 | 1228 | 03604000 | | |
| | | AIR | * | * | 4.94672 | 400 | | .46548 | 65 | 1198 | 03606000 | | |
| | MAIN-FRAME-TURBOJET-J-85 | GRD | * | * | 182.746 | | | .0126 | 64 | 1180 | 03608000 | | |
| | LOWER-SUPPORT-CLAMP-VISION-WINDSHLD | AIR | * | * | 10.0752 | 946 | | .22854 | 65 | 1228 | 03610000 | | |
| | UNIVERSAL-JOINT-CONSTANT-SPEED-DRIVE | AIR | * | * | 44.5736 | 96 | | .04944 | 65 | 1227 | 03612000 | | |
| | HINGE-DOOR-HYDRAULIC-FORWARD-CARGO | AIR | * | * | 8.25304 | 2560 | | .279 | 61 | 1080 | 03614000A | | |
| | COMBUSTION-SECTION-TURBOJET-J-85 | AIR | * | * | 4.53598 | 200 | | .50763 | 65 | 1198 | 03616000 | | |
| | BRACKET-AILERON-HINGE-FLIGHT-CONTROL | AIR | * | * | 10.0752 | 946 | | .22854 | 65 | 1228 | 03618000 | | |
| | SHAFT-STUB-LANDING-GEAR-EMERGENCY | AIR | * | * | 1.64883 | 1200 | | 1.3465 | 65 | 1198 | 03620000 | | |
| | REAR-COMPR/MIDFRAME-BASIC-ENGINE | AIR | * | * | 9.89344 | 200 | | .23274 | 65 | 1198 | 03622000 | | |
| | HINGE-FITTING-RUDDER-SYSTEM | AIR | * | * | 4.94672 | 400 | | .46548 | 65 | 1198 | 03624000 | | |
| | DOOR-MECHANICAL-CREW | AIR | * | * | 21.9295 | 960 | | .105 | 61 | 1080 | 03626000 | | |
| | TURBINE-SECTION-BASIC-ENGINE | AIR | * | * | 6.04801 | 150 | | .38072 | 65 | 1198 | 03628000 | | |
| | HINGE-FITTING-DOOR-MLG-FORWARD | AIR | * | * | 7.76227 | 576 | | .29664 | 65 | 1227 | 03630000 | | |
| | JACK-SCREEN-LANDING-GEAR-MAIN | AIR | * | * | 9.89344 | 200 | | .23274 | 65 | 1198 | 03632000 | | |
| | FPS-15-NACAR | GRD | * | * | 2.2679 | 400 | | 1.0133 | 65 | 1198 | 03634000 | | |
| | KLUDDER-FLIGHT-CONTROL | AIR | * | * | 0.34644 | 3798 | | 66.465 | 63 | 1164 | 03636000 | | |
| | SCAVENGE-PUMP-DIFFUSER-POWER-SECTION | AIR | * | * | 93.1472 | 48 | | .02472 | 65 | 1227 | 03638000 | | |
| | TORQUE-TUBE-DOOR-MLG-OUTBOARD | AIR | * | * | 2.79828 | 1040 | | .82286 | 65 | 1201 | 03640000 | | |
| | FRC-45-TRANSMITTER | GRD | * | * | 15.5245 | 288 | | .14832 | 65 | 1227 | 03642000 | | |
| | STEERING-SHAFT-LANDING-GEAR | AIR | * | * | 9.07178 | 100 | | 16.52 | 63 | 1164 | 03644000 | | |
| | JACK-SCREEN-LANDING-GEAR-MAIN | AIR | * | * | 2.47333 | 800 | | .25382 | 65 | 1198 | 03646000 | | |
| | ACTUATOR-FITTING-AILERON-TRIM-TAB | AIR | * | * | 19.7868 | 100 | | .93057 | 65 | 1198 | 03648000 | | |
| | AILERON-FLIGHT-CONTROL-SYSTEM | AIR | * | * | 5.03763 | 1892 | | .11637 | 65 | 1198 | 03650000 | | |
| | DOOR-EMERGENCY-AFT-ESCAPE-HATCH-CARGO | AIR | * | * | 46.5736 | 96 | | .04944 | 65 | 1228 | 03652000 | | |
| | PITCH-TRIM-ACTUATOR | AIR | * | * | 93.1472 | 48 | | .02472 | 65 | 1227 | 03654000 | | |
| | HINGE-ELEVEN | AIR | * | * | 5.18633 | 2560 | | .444 | 61 | 1080 | 03656000 | | |
| | DOOR-EMERGENCY-FWD-ESCAPE-HATCH-CARGO | AIR | * | * | 93.1472 | 48 | | .02472 | 65 | 1227 | 03658000 | | |
| | PITCH-TRIM-ACTUATOR | AIR | * | * | 55.9834 | 76 | | .04113 | 66 | 1250 | 03660000 | | |
| | DOOR-EMERGENCY-FORWARD-ESCAPE-HATCH-CARGO | AIR | * | * | 55.9834 | 76 | | .04113 | 66 | 1250 | 03662000 | | |
| | STEERING-LANDING-GEAR | AIR | * | * | 55.9834 | 76 | | .04113 | 66 | 1250 | 03664000A | | |
| | RUDDER-FLIGHT-CONTROL | AIR | * | * | 55.9834 | 76 | | .04113 | 66 | 1250 | 03666000 | | |
| | COMPRESSOR-SECTION-BASIC-ENGINE | AIR | * | * | 1.99878 | 2128 | | 1.152 | 66 | 1250 | 03668000 | | |
| | DOOR-EMERGENCY-AFT-ESCAPE-HATCH-CARGO | AIR | * | * | 27.9917 | 152 | | .08226 | 66 | 1250 | 03670000 | | |
| | TURBINE-SECTION-BASIC-ENGINE | AIR | * | * | 4.66585 | 912 | | .4935 | 66 | 1250 | 03672000 | | |
| | | AIR | * | * | | | | | | | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

PART CLASS 124 BEARINGS

PART DESCRIPTION

ALU N.O.-C.

| NONELECTRONIC PART FAILURE RATE DATA | | | | | | | | | | JANUARY 1968 | |
|---|-------------|--------------|---------------------|-----------------|-------------|------------|------------|-------------|-----------|--------------|--|
| FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LATION | PART HOURS | YR OF DATA | CROSS INDEX | REF NO | | |
| LOWER-SUPPORT. CLEAR-VISION-WINDSHIELD | AIR | * | 27.9917 | 152 | | 58226 | 66 | 1250 | 03676000A | | |
| TORQUE-TURE-DOOR-MAIN-LANDING-GEAR. OUTBOARD | AIR | * | 9.32982 | 456 | | 2468 | 66 | 1250 | 03678000 | | |
| DOOR-MECHANICAL-FORWARD-ENTRANCE WING-FLAP-SYSTEM (STORAGE) | AIR | * | 13.9975 | 304 | | 1645 | 66 | 1250 | 03680000 | | |
| | AIR | * | 2.95205 | 1444 | | .78 | 66 | 1250 | 03682000 | | |
| | MSL | .005 | | | | | 65 | 2440 | 03684000 | | |
| FSA-14-COMMUNICATION-CONSOLE | GRD | .040735 | .158446 | | | 24.545 | 66 | 2F | 03686000 | | |
| | GRD | .093856 | .164749 | 3653 | | .63.928 | 63 | 1164 | 03688000 | | |
| GEAR-IDLER-ACCESSORY-POWER-SECTION | GRD | .093985 | .250108 | | | 21.28 | U | 2447 | 03690000 | | |
| TRANSLATORY-SLEEVESHAFT | AIR | .125346 | .487365 | 6854 | | 7.9778 | 65 | 1201 | 03692000 | | |
| GEAR-DRIVE-CENTER-ACCESSORY-POWER-SECTION | AIR | .21 | | | | | 63 | 1138 | 03694000 | | |
| | AIR | .250496 | .975131 | 3432 | | 3.9889 | 65 | 1201 | 03696000 | | |
| DRIVE-PUMP-FUEL-POWER-SECTION | AIR | .250696 | .975131 | 3432 | | 3.9889 | 65 | 1201 | 03698000 | | |
| SHAFT-STARTER-REDUCTION-GEAR | AIR | .250696 | .975131 | 3432 | | 3.9889 | 65 | 1201 | 03700000 | | |
| DRIVE-SPEED-CONTROL-POWER-SECTION | AIR | .250696 | .975131 | 3432 | | 3.9889 | 65 | 1201 | 03702000 | | |
| SCAVENGE-PUMP-DIFFUSER-POWER-SECTION | LAB | .3 | .837424 | 6854 | | 7.9778 | 61 | 1086 | 03704000 | | |
| AILERON-FLIGHT-CONTROL-SYSTEM | AIR | .482742 | 1.87772 | 2388 | | 2.0715 | 67 | 1272 | 03706000 | | |
| DRIVE-TACHMETER-REDUCTION-GEAR | AIR | .486736 | 1.89375 | 2112 | | 2.0545 | 65 | 1201 | 03710000 | | |
| | LAB | .5 | | | | | 63 | 1138 | 03712000 | | |
| GEAR-SIDE-COMPRESSOR-POWER-SECTION | AIR | .501379 | 1.95021 | 1716 | | 1.9945 | 65 | 1201 | 03714000 | | |
| TURBINE-PEAR | AIR | .501379 | 1.95021 | 1716 | | 1.9945 | 65 | 1201 | 03716000 | | |
| DRIVE-IDLER-011-PUMP-REDUCTION-GEAR | AIR | .501391 | 1.3427 | 3432 | | 3.9889 | 65 | 1201 | 03718000 | | |
| GEAR-IDLER-ACCESSORY-DRIVE | AIR | .659413 | 2.56491 | 1600 | | 1.5165 | 65 | 1201 | 03720000 | | |
| GEAR-IDLER-ACCESSORY-DRIVE-POWER-SECTION | AIR | .68264 | 2.65526 | 976 | | 1.4649 | 65 | 1201 | 03722000 | | |
| DRIVE-GENERATOR-REDUCTION-GEAR | AIR | .895415 | 3.48289 | 1416 | | 1.1168 | 65 | 1201 | 03724000 | | |
| GEAR-DRIVE-MAIN-REDUCTION-GEAR | AIR | .97352 | 3.7867 | 1056 | | 1.0272 | 65 | 1201 | 03726000 | | |
| GEAR-IDLER-MAIN-ACCESSORY | AIR | .97352 | 3.7867 | 1056 | | 1.0272 | 65 | 1201 | 03728000 | | |
| SHAFTGEAR-SCAVENGE-PUMP-TURBINE. | AIR | 1.12813 | 1.78069 | 6854 | | 7.9778 | 65 | 1201 | 03730000 | | |
| FRONT | | | | | | | | | | | |
| SHAFT-DRIVE-ACCESSORY-MAIN | AIR | 1.31879 | 5.1297 | 800 | | .75827 | 65 | 1201 | 03732000 | | |
| GEAR-DRIVE-MAIN-REDUCTION-GEAR | AIR | 1.3653 | 5.3106 | 488 | | .73244 | 65 | 1201 | 03734000 | | |
| SHAFT-DRIVE-ACCESSORY-POWER-SECTION | AIR | 1.3653 | 5.3106 | 488 | | .73244 | 65 | 1201 | 03736000 | | |
| SHAFTGEAR-DRIVE-011-SCAVENGE-PUMP | AIR | 1.3653 | 5.3106 | 488 | | .73244 | 65 | 1201 | 03738000 | | |
| COMPRESSOR-SECTION-BASIC-ENGINE | AIR | 1.44475 | 5.61965 | 1344 | | .69216 | 65 | 1201 | 03740000 | | |
| PINION-REAR-REDUCTION-GEAR | AIR | 1.50413 | 3.34961 | 1716 | | 1.9945 | 65 | 1201 | 03742000 | | |
| VALVE-RELIEF-PRESSURE-REDUCTION-GEAR | AIR | 1.79079 | 6.96567 | 708 | | .55841 | 65 | 1201 | 03744000 | | |
| SHAFT-STARTER-REDUCTION-GEAR | AIR | 1.79083 | 4.76567 | 1416 | | 1.1168 | 65 | 1201 | 03746000 | | |
| SHAFT-EXTENSION-COMPRESSOR-POWER-SECTION | AIR | 1.947 | 7.57325 | 528 | | .51361 | 65 | 1201 | 03748000 | | |
| SHAFT-DRIVE-011-PUMP-REDUCTION-GEAR | AIR | 1.94704 | 5.18136 | 1056 | | 1.0272 | 65 | 1201 | 03750000 | | |
| REAR-COMPR/MIDFRAME-BASIC-ENGINE | AIR | 1.96993 | 7.66247 | 200 | | .50763 | 65 | 1198 | 03752000 | | |

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

104 BEA H I M G S

FUNCTIONAL APPLICATION

U.S. N. O. C.

| PART CLASS | 104 BEARINGS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | YR OF DATA RPT | CROSS INDEX REF NO |
|------------|--------------|------------------|--|-------------|--------------|---------------------|-----------------|----------------|--------------------|
| | | | FRONT-COMPR-ROTR-AIR-INLET-BASIC-ENGINE | AIR | 1.96993 | 7.66247 | 200 | 65 | 1198 03754000 |
| | | | SHAFT-EXTENSION-COMPRESSOR-POWER-SECTION | AIR | 2.00551 | 4.00779 | 1716 | 65 | 1201 03756000 |
| | | | TURBINE-REAR-POWER-SECTION | AIR | 2.00551 | 4.00779 | 1716 | 65 | 1201 03758000 |
| | | | SHAFT-PROPELLER-REDUCTION-GEAR | AIR | 2.00551 | 4.00779 | 1716 | 65 | 1201 03760000 |
| | | | SCAVENGE-PUMP-TURBINE-FRONT | AIR | 2.12645 | 4.73546 | 1792 | 65 | 1201 03762000 |
| | | | FRONT-COMPR-ROTR-AIR-INLET-BASIC-ENG | AIR | 2.14832 | 8.35832 | 400 | 65 | 1198 03764000 |
| | | | REAR-TURBINE-SECTION-BASIC-ENGINE | AIR | 2.14832 | 8.35832 | 400 | 65 | 1198 03766000 |
| | | | TURBINE-FRONT-POWER-SECTION | AIR | 2.50689 | 4.65013 | 1716 | 65 | 1201 03768000 |
| | | | GEAR-SIDE-COMPRESSOR-POWER-SECTION | AIR | 2.63754 | 10.2592 | 400 | 65 | 1201 03770000 |
| | | | COMPRESSOR-REAR-POWER-SECTION | AIR | 2.73059 | 10.6212 | 244 | 65 | 1201 03772000 |
| | | | PINION-REAR-REDUCTION-GEAR | AIR | 2.73059 | 10.6212 | 244 | 65 | 1201 03774000 |
| | | | SHAFT-DRIVE-OIL-PUMP-REDUCTION-GEAR | AIR | 2.73059 | 7.26853 | 468 | 65 | 1201 03776000 |
| | | | SHAFT-DRIVE-OIL-PUMP-REDUCTION-GEAR | AIR | 2.75765 | 4.16108 | 3432 | 65 | 1201 03778000 |
| | | | REAR-TURBINE-SECTION-BASIC-ENGINE | AIR | 2.83286 | 11.0189 | 408 | 65 | 1114 03780000 |
| | | | TURBINE-REAR-POWER-SECTION | AIR | 2.83335 | 11.0286 | 448 | 65 | 1201 03782000 |
| | | | SHAFT-EXTENSION-COMPRESSOR | AIR | 2.83335 | 11.0286 | 448 | 65 | 1201 03784000 |
| | | | COOR. MECHANICAL-CREW | AIR | 2.86442 | 11.1417 | 300 | 65 | 1198 03786000 |
| | | | WHEEL-LANDING-GEAR-MAIN | AIR | 2.89659 | 6.45051 | 1194 | 65 | 1201 03788000 |
| | | | JACK-SCREW-LANDING-GEAR-MAIN | AIR | 3.9488 | 11.4499 | 200 | 65 | 1201 03790000 |
| | | | DRIVE-TACHMETER-REDUCTION-GEAR | AIR | 3.13395 | 5.26992 | 2832 | 65 | 1201 03792000 |
| | | | FINAL-DRIVE-(M-MILES) | GRD | 3.24254 | 13.009 | 260 | 65 | 1225 03794000 |
| | | | JACK-SCREW-LANDING-GEAR-MAIN | AIR | 3.34448 | 13.009 | 260 | 65 | 1114 03796000 |
| | | | REAR-COMP/PIDFRAME-BASIC-ENGINE | AIR | 3.34448 | 13.009 | 260 | 65 | 1114 03798000 |
| | | | DRIVE-TACHMETER-REDUCTION-GEAR | AIR | 3.38439 | 4.38206 | 8644 | 65 | 1201 03800000 |
| | | | COMPRESSOR-FRONT-POWER-SECTION | AIR | 3.50965 | 5.90168 | 1716 | 65 | 1201 03802000 |
| | | | PINION-FRONT-REDUCTION-GEAR | AIR | 3.894 | 10.3625 | 528 | 65 | 1201 03804000 |
| | | | TURBINE-FRONT-POWER-SECTION | AIR | 3.894 | 10.3625 | 528 | 65 | 1201 03806000 |
| | | | REAR-TURBINE-SECTION-BASIC-ENGINE | AIR | 3.93987 | 10.4846 | 200 | 65 | 1198 03808000 |
| | | | SHAFT-DRIVE-TACHMETER-REDUCTION-GEAR | AIR | 4.09584 | 7.18963 | 976 | 65 | 1201 03810000 |
| | | | RUDDER-SYSTEM | AIR | 4.3756 | 17.0197 | 946 | 65 | 1228 03812000 |
| | | | COMPRESSOR-REAR-POWER-SECTION | AIR | 4.5124 | 7.12258 | 1716 | 65 | 1201 03814000 |
| | | | SHAFT-EXTENSION-COMPRESSOR-POWER-SECTION | AIR | 4.86121 | 18.9886 | 260 | 65 | 1201 03816000 |
| | | | IDLER-HYDRAUL IC-PUMP-REDUCTION-GEAR | AIR | 4.8676 | 9.0291 | 1056 | 65 | 1201 03818000 |
| | | | PINION-FRONT-REDUCTION-GEAR | GEN | 5 | | | 65 | 1078 03820000 |
| | | | GEAR-PLANET-REDUCTION-GEAR | AIR | 5.01378 | 7.72456 | 1716 | 65 | 1201 03822000 |
| | | | PINION-FRONT-REDUCTION-GEAR | AIR | 5.01423 | 6.46119 | 7080 | 65 | 1201 03824000 |
| | | | PINION-FRONT-REDUCTION-GEAR | AIR | 5.27509 | 14.0378 | 400 | 65 | 1201 03826000 |
| | | | PINION-FRONT-REDUCTION-GEAR | AIR | 5.27509 | 14.0378 | 400 | 65 | 1201 03828000 |
| | | | TURBINE-FRONT-POWER-SECTION | AIR | 5.27509 | 14.0378 | 400 | 65 | 1201 03830000 |
| | | | SHAFT-EXTENSION-COMPRESSOR-POWER-SECTION | AIR | 5.27509 | 14.0378 | 400 | 65 | 1201 03832000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

WONELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 1 1/4 BEARINGS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|---|----------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| SHAFT DRIVE OIL PUMP REDUCTION GEAR | AIR | | | 5.27516 | 10.5418 | 800 | .75827 | 65 | 1201 03834000 |
| COMPRESSOR FRONT POWER SECTION | AIR | | | 5.46119 | 14.533 | 244 | .36622 | 65 | 1201 03836000 |
| STABILIZER HORIZONTAL | AIR | | | 5.70385 | 22.1862 | 812 | .17532 | 64 | 1179 03838000 |
| KIDDER SYSTEM | AIR | | | 5.70385 | 22.1862 | 812 | .17532 | 64 | 1179 03840000 |
| HINGE DOOR HYDRAULIC FORWARD CARGO | AIR | | | 5.89761 | 15.6944 | 200 | .32912 | 63 | 1198 03842000 |
| FRONT COMPRESSOR ROTOR AIR INLET BASIC ENGINE | AIR | | | 5.89761 | 15.6944 | 200 | .32912 | 63 | 1198 03844000 |
| REAR COMPRESSOR ROTOR AIR INLET BASIC ENGINE | AIR | | | 5.89761 | 15.6944 | 200 | .32912 | 63 | 1198 03846000 |
| SCAVENGE PUMP TURBINE FRONT | AIR | | | 6.17636 | 11.2712 | 1040 | .82286 | 65 | 1201 03848000 |
| WHEEL LANDING GEAR MAIN | AIR | | | 6.17636 | 11.2712 | 1040 | .82286 | 65 | 1201 03850000 |
| WHEEL LANDING GEAR MAIN | GRD | | | 6.52912 | 11.4608 | 1216 | .91896 | 66 | 2F 03852000 |
| FRONT COMPRESSOR ROTOR AIR INLET BASIC ENGINE | AIR | | | 6.68896 | 17.8003 | 200 | .299 | 63 | 1114 03854000 |
| REAR TURBINE SECTION BASIC ENGINE | AIR | | | 6.68896 | 17.8003 | 200 | .299 | 63 | 1114 03856000 |
| HINGE DOOR HYDRAULIC FORWARD CARGO | AIR | | | 6.71114 | 17.86 | 200 | .298 | 63 | 1114 03858000 |
| STEERING SHAFT LANDING GEAR | AIR | | | 6.71114 | 26.1253 | 100 | .145 | 63 | 1114 03860000 |
| PINION FRONT REDUCTION GEAR | AIR | | | 7.16319 | 14.7148 | 708 | .55841 | 65 | 1201 03862000 |
| COMPRESSOR REAR POWER SECTION | AIR | | | 7.78801 | 15.5634 | 528 | .51361 | 65 | 1201 03864000 |
| WING FLAP SYSTEM | AIR | | | 8.51643 | 17.0191 | 912 | .46968 | 65 | 1198 03866000 |
| DRIVE TACHOMETER REDUCTION GEAR | AIR | | | 8.57237 | 12.5011 | 1600 | 1.5165 | 65 | 1201 03868000 |
| WHEEL LANDING GEAR MAIN | AIR | | | 8.7512 | 23.2882 | 946 | .22854 | 65 | 1228 03870000 |
| REAR TURBINE SECTION BASIC ENGINE | AIR | | | 8.84642 | 19.7004 | 200 | .32912 | 63 | 1198 03872000 |
| COMBUSTION SECTION TURBOJET J-85 | AIR | | | 9.81739 | 38.1867 | 812 | .10186 | 64 | 1179 03874000 |
| WHEEL LANDING GEAR NOSE | AIR | | | 10.1132 | 39.3375 | 192 | .09888 | 65 | 1198 03876000 |
| TURBINE REAR POWER SECTION | AIR | | | 10.5501 | 21.0833 | 400 | .37914 | 65 | 1201 03878000 |
| COMPRESSOR FRONT POWER SECTION | AIR | | | 10.5501 | 21.0833 | 400 | .37914 | 65 | 1201 03880000 |
| COMPRESSOR REAR POWER SECTION | AIR | | | 10.5501 | 21.0833 | 400 | .37914 | 65 | 1201 03882000 |
| STABILIZER HORIZONTAL | AIR | | | 10.6208 | 16.026 | 1194 | 1.0357 | 67 | 1272 03884000 |
| PINION FRONT REDUCTION GEAR | AIR | | | 10.9223 | 21.8271 | 244 | .36622 | 65 | 1201 03886000 |
| DOOR MECHANICAL CREW | AIR | | | 11.7952 | 21.8794 | 250 | .4239 | 63 | 1198 03888000 |
| STEERING SHAFT LANDING GEAR | AIR | | | 11.7952 | 31.3888 | 100 | .16956 | 63 | 1198 03890000 |
| WHEEL LANDING GEAR MAIN | AIR | | | 12.6415 | 23.4493 | 768 | .39552 | 65 | 1227 03892000 |
| WHEEL LANDING GEAR NOSE | AIR | | | 13.1268 | 29.2325 | 946 | .22854 | 65 | 1227 03894000 |
| MOTOR | AIR | | | 13.3 | 24.7325 | 250 | .375 | 66 | 215 03896000 |
| DOOR MECHANICAL CREW | AIR | | | 13.3333 | 30.0936 | 1280 | .222 | 65 | 1228 03898000 |
| WHEEL MAIN | AIR | | | 13.5135 | 41.5375 | 50 | .12691 | 65 | 1198 03900000 |
| TRUNNION LANDING GEAR NOSE | AIR | | | 15.7591 | 42.9217 | 544 | .124 | 63 | 1114 03902000 |
| WHEEL LANDING GEAR MAIN | AIR | | | 16.129 | 63.0421 | 18 | .06174 | 66 | 1255 03904000 |
| PULLEY IDLER GENERATOR (M-MILES) | GRD | | | 16.2074 | 65.165 | 155 | .05969 | 63 | 1114 03906000 |
| ENGINE | AIR | | | 16.7532 | 38.1063 | 812 | .17532 | 64 | 1179 03910000 |
| WHEEL LANDING GEAR MAIN | AIR | | | 17.1115 | 45.736 | 100 | .11837 | 65 | 1198 03912000 |
| STEERING SHAFT LANDING GEAR | AIR | | | 17.1865 | 34.4765 | 946 | .22854 | 65 | 1228 03914000 |
| STABILIZER HORIZONTAL | AIR | | | 17.5024 | 45.0862 | 260 | .20371 | 65 | 1201 03916000 |
| COMPRESSOR FRONT POWER SECTION | AIR | | | 24.306 | 94.5708 | 76 | .04113 | 66 | 1250 03918000 |
| AILERON CONTROL SYSTEM | AIR | | | 24.3131 | | | | | |

001 N.J.C.

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA
JANUARY 1968

| PART CLASS | 1-4 BEARINGS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POSITION | PART LOCATION | YR | CRSS |
|---------------------------|--------------|------------------------------------|-------------|--------------|---------------------|---------------|---------------|----|----------------|
| PART DESCRIPTION | | | | | | | | | |
| OG N.O.C. | | | | | | | | | |
| BALL-HI-SPEED-CYRO-SPIN | | | SIM AIR | * | 274.773 | 16 | 00818 | 64 | 1151 04080000A |
| BALL-HI-SPEED-CYRO-SPIN | | | SIM AIR | * | 69.4809 | 32 | 00314 | 64 | 1150 04010000A |
| BALL-HI-SPEED-HEAVY-DUTY | | | LAB | 1.8 | | | | 63 | 1138 04012000 |
| BALL-HI-SPEED-HEAVY-DUTY | | | AIR | 9.1 | | | | 61 | 1068 04014000 |
| BALL-INSTUMENT | | | AIR | * | 407237 | | 5.6542 | 65 | 212 04016000 |
| BALL-LO-SPEED-GIMBAL | | | SIM AIR | * | 23.1626 | 96 | 00941 | 64 | 1150 04016000A |
| BALL-LO-SPEED-GIMBAL | | | SIM AIR | 90.9504 | 242.832 | 42 | 02199 | 64 | 1151 04020000A |
| BALL-LO-SPEED-LIGHT-DUTY | | | LAB | .88 | | | | 63 | 1138 04022000 |
| BALL-LO-SPEED-LIGHT-DUTY | | | AIR GND | 5.95238 | 11.8951 | | .672 | 62 | 1087 04024000 |
| BALL-LO-SPEED-LIGHT-DUTY | | | AIR GND | 9.67741 | 13.3098 | | 1.86 | 61 | 1087 04026000 |
| BALL-LO-SPEED-LIGHT-DUTY | | | AIR GND | 23.0263 | 33.1052 | | .608 | 62 | 1087 04028000 |
| BALL-LO-SPEED-LIGHT-DUTY | | | GRO | * | 939.836 | | 00245 | 64 | 1180 04030000 |
| BALL-NUT/SCREEN | | | AIR GND | 3.48837 | 6.12931 | | 1.72 | 61 | 1087 04032000 |
| BALL-PLAIN-SINGLE-ROW | | | AIR GND | 4.9261 | 15.161 | | .203 | 62 | 1087 04034000 |
| BALL-PLAIN-SINGLE-ROW | | | AIR | 13.8217 | 19.8716 | | 1.0129 | 65 | 212 04036000 |
| BALL-SPIN-METER | | | AIR | * | 16.9356 | | .13593 | 65 | 212 04038000 |
| CARRIER | | PLANET-GEAR-REDUCTION-GEAR | AIR | 1.79079 | 6.96367 | 708 | .55841 | 65 | 1201 04040000 |
| CARRIER-REAR | | REDUCTION-GEAR | AIR | 2.73059 | 10.6212 | 244 | .36622 | 65 | 1201 04042000 |
| ENCLOSURES-ANTENNA. | | FUSELAGE-NOSE | AIR | 1703.06 | 1778.80 | 597 | .51769 | 67 | 1272 04044000 |
| GLIDE-SLOPE | | | | | | | | | |
| END-PUSH-ROD | | RUDDER-ASSEMBLY | AIR | * | 2.47333 | 800 | .93097 | 65 | 1198 04046000 |
| ENDS-ROD | | BOOSTER-PISTON-AILERON-CONTROL-SYS | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 04048000 |
| ENDS-ROD | | ELEVATOR-CONTROL-SYSTEM | AIR | * | 3.99895 | 1064 | .5758 | 66 | 1250 04050000 |
| ENDS-ROD | | ENGINE-CONTROL-SYSTEM | AIR | * | 35.9834 | 76 | .04113 | 66 | 1250 04052000 |
| ENDS-ROD | | ENGINE-CONTROLS | AIR | .716102 | 1.90565 | 2400 | 2.7929 | 65 | 1198 04054000 |
| ENDS-ROD | | ENGINE-CONTROLS | AIR | 25.0354 | 30.0451 | 2448 | 2.117 | 63 | 1114 04056000 |
| ENDS-ROD | | ENGINE-CONTROLS | AIR | 43.3383 | 48.5839 | 1200 | 3.0458 | 65 | 1198 04058000 |
| ENDS-ROD | | ENGINE-CONTROLS | AIR | 126.963 | 132.998 | 3600 | 6.1041 | 63 | 1198 04060000 |
| ENDS-ROD | | ENGINE-CONTROLS | AIR | 138.857 | 145.576 | 360 | 5.394 | 63 | 1114 04062000 |
| ENDS-ROD-PEARING | | ENGINE-CONTROL-SYSTEM | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 04064000 |
| ENDS-ROD-PEARING | | ELEVATOR-CONTROL-SYSTEM | AIR | 2.8895 | 11.2393 | 872 | .34608 | 65 | 1227 04066000 |
| ENDS-ROD-FEMALE | | BYPASS-BELLMOUTH-SYSTEM | AIR | 41.8252 | 64.4387 | | .23909 | 66 | 1241 04068000 |
| ENDS-ROD-MALE | | ENGINE-CONTROL-SYSTEM | AIR | 54.3728 | 79.2921 | | .23909 | 66 | 1241 04070000 |
| ENDS-ROD-QUICK-DISCONNECT | | ENGINE-CONTROL-SYSTEM | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 04072000 |
| FADS-ROD-QUICK-DISCONNECT | | ENGINE-CONTROL-SYSTEM | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 04074000 |
| FLANGE | | | GRO | * | 1813.07 | | .00127 | 64 | 1180 04076000 |
| GIMBAL | | | AIR | 3.3 | | | | 66 | 215 04078000 |
| GIL-IMPREGNATED | | | GRO | * | 20.8795 | | .11028 | 64 | 1180 04080000 |
| GIL-IMPREGNATED | | STABILIZER-VERTICAL-EMPENNAGE | GRO | * | 192.525 | | .01196 | 64 | 1180 04082000 |
| PIVOT | | STABILIZER-VERTICAL-EMPENNAGE | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 04084000 |
| PIVOT | | | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 04086000A |
| PERCUS-BRONZE | | | GRO | * | 458.961 | | .00491 | 64 | 1180 04088000 |
| ROD-END | | AILERON-CONTROL-SYSTEM | AIR | * | 2.99895 | 1064 | .5758 | 66 | 1250 04090000 |
| ROD-END | | LANDING-GEAR-NOSE | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 04092000 |
| ROD-END | | DOCP-LANDING-GEAR-NOSE-AFT | AIR | * | 6.99878 | 606 | .329 | 66 | 1250 04094000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NONELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 1-4 BEARINGS

PART DESCRIPTION

FUNCTIONAL APPLICATION

200 N.O.C.

| PART DESCRIPTION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR RPT SRC | CROSS INDEX REF NO |
|------------------|-------------|--------------|---------------------|-----------------|------------|------------|--------------------|
| R00-INT | AIR | * | 6.99878 | 608 | .329 | 66 | 1250 04096000 |
| R00-ENG | AIR | * | 55.9834 | 76 | .04113 | 63 | 1250 04106000 |
| R00-ENG | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 04108000 |
| R00-ENG | AIR | * | 1.99878 | 2226 | 1.152 | 66 | 1250 04102000 |
| R00-ENG | AIR | * | 1.74969 | 2432 | 1.316 | 66 | 1250 04104000 |
| R00-ENG | AIR | * | 3.32668 | 1344 | .69216 | 65 | 1227 04106000 |
| R00-ENG | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 04108000 |
| R00-ENG | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 04110000 |
| R00-ENG | AIR | * | 32.8942 | 640 | .07 | 61 | 1080 04112000 |
| R00-ENG | AIR | * | 1.16434 | 3840 | 1.9776 | 65 | 1227 04114000 |
| R00-ENG | AIR | * | 6.65337 | 672 | .34808 | 65 | 1227 04116000 |
| R00-ENG | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 04118000 |
| R00-ENG | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 04120000 |
| R00-ENG | AIR | * | 11.6434 | 384 | .19776 | 65 | 1227 04122000 |
| R00-ENG | AIR | * | 11.6434 | 384 | .19776 | 65 | 1227 04124000 |
| R00-ENG | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 04126000 |
| R00-ENG | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 04128000 |
| R00-ENG | AIR | * | 10.9647 | 1920 | .21 | 61 | 1080 04130000 |
| R00-ENG | AIR | * | 13.9975 | 304 | .1645 | 65 | 1250 04132000 |
| R00-ENG | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 04134000 |
| R00-ENG | AIR | * | 2.91085 | 1536 | .179194 | 65 | 1227 04136000 |
| R00-ENG | GRD | * | 284.622 | 48 | .00809 | 64 | 1180 04138000 |
| R00-ENG | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 04140000 |
| R00-ENG | AIR | * | 11.6434 | 384 | .19776 | 65 | 1227 04142000 |
| R00-ENG | AIR | * | 1.57605 | 6080 | 2.468 | 66 | 1250 04144000 |
| R00-ENG | AIR | .405186 | 1.95021 | 1716 | 1.9545 | 65 | 1201 04146000 |
| R00-ENG | AIR | .501379 | 11.8227 | 608 | .329 | 66 | 1250 04148000 |
| R00-ENG | AIR | 3.03951 | 11.8385 | 13760 | 1.502 | 61 | 1080 04150000 |
| R00-ENG | AIR | 7.98934 | 30.0936 | 1280 | .222 | 61 | 1080 04152000 |
| R00-ENG | AIR | 13.5135 | 93.1472 | 48 | .02472 | 65 | 1227 04154000 |
| ROLLER | AIR | * | 650.407 | 1000 | 12.3 | 64 | 1148 04156000 |
| ROLLER | AIR | .527509 | 14.0378 | 400 | .37914 | 65 | 1201 04158000 |
| ROLLER | AIR | 24.3131 | 94.5708 | 76 | .04113 | 66 | 1250 04160000 |
| ROLLER | AIR | 28 | | | | 61 | 1068 04162000 |
| ROLLER | LAB | .5 | | | | 63 | 1138 04164000 |
| ROLLER | AIR | .25 | | | | 61 | 1068 04166000 |
| ROLLER | AIR | .25 | | | | 61 | 1068 04168000 |
| ROLLER | GRD | .5 | | | | 63 | 1138 04170000 |
| ROLLER | AIR | 32.0717 | 34.5302 | 517 | 9.697 | 62 | 1099 04172000 |
| ROLLER | GRD | * | 23.3553 | 54 | .103 | 65 | 1192 04174000 |
| ROLLER | GRD | * | 234.719 | | .00981 | 64 | 1180 04176000 |
| ROLLER | GRD | 2.96735 | 11.5421 | 4 | .337 | 63 | 1116 04178000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

JANUARY 1968

SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

PART CLASS 104 BEARINGS

PART DESCRIPTION FUNCTIONAL APPLICATION ENVIRONMENT RATE FAILURE 90 CONF LIMIT UPPER PART POPU- PART OF DATA INDEX YR CAGE#

.20 RADIAL

| | | | | | | |
|-----------------------------|-----|---|---------|---------|--------|------------------|
| BALL-PRECISION-MIN. GIMBAL. | GRD | * | * | 265.543 | .00000 | 64 1100 04120000 |
| LOW-SPEED | GRD | * | * | 117.479 | .0190 | 64 1177 04180000 |
| BALL-PRECISION-MINIATURE | GRD | * | * | 84.6544 | .0372 | 64 1177 04180000 |
| BALL-PRECISION-MINIATURE. | AIR | * | 5.91962 | 5.54921 | 1.84 | 64 1253 04190000 |
| GIMBAL-LO-SPEED | AIR | * | * | .40184 | 2.63 | 64 1253 04190000 |
| BALL-PRECISION-MINIATURE. | AIR | * | * | 13.8013 | 1.81 | 64 1253 04190000 |
| INSTRUMENT | AIR | * | * | 19.9287 | 5.43 | 64 1253 04190000 |
| BALL-PRECISION-SPIN-MOTOR. | AIR | * | * | 254.15 | 12 | 64 1177 04192000 |
| HIGH-SPEED(2400-RPM) | GRD | * | * | | | |
| BALL-PRECISION-2400RPM | GRD | * | * | | | |

.60 THRUST

COMPRESSOR-AUXILIARY-POWER-UNIT

BALL-PRECISION-MINIATURE

| | | | | | | |
|-----|---|---|---------|-----|-------|------------------|
| AIR | * | * | 55.9834 | 76 | .0413 | 64 1250 04194000 |
| AIR | * | * | 16.9308 | 638 | .136 | 64 1253 04194000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NONELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 103 BREATHERS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT RATE FAILURE 90 CONF PART YR LABSS
LIMIT LATION HOURS RPT SINCE REF NO

.03 M.G.C.

CYCLONIC
CYCLONIC
PNEUMATIC

ENGINE-OIL-SYSTEM
ENGINE-OIL-SYSTEM
ENGINE-OIL-SYSTEM
GUN-TURRET-FIRE-CONTROL-SYSTEM

AIR
AIR
AIR
AIR

*
*
*
*

4.53598 200
6.18892 260
4.94672 400
192.647 31

.50763
.33212
.46538
.01194

65 1193
63 1198
65 1198
63 1111

04198009
04202000
04202000
04204009

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
 SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1958

PART CLASS 136 BREECCHES
 PART DESCRIPTION FUNCTIONAL APPLICATION

00 M.O.C.

20MM-GUN

GRD

*

23.026R 2

JR

64 1134 04206002

UPPER PART YR CROSS
 90 CONF POPU- OF DATA INDEX
 LIMIT LAYON HOURS RPT SRCE REF NO

FAILURE RATE ENVIRONMENT RATE

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 107 BRIDLES

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT RATE FAILURE 90 CONF PART UPPER PART TR
LIMIT LATION HOURS OF DATA INDEX
RPT SAGE REF NO

.00 N.B.C.

BRAKE-PARACHUTE

AIR 83.752 325.77 31 .01194 63 1111 04208000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 108 - JLRHEADS

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 70 CONF LIMIT | PART POPULATION | PART LATION HOURS | YR OF DATA | CROSS INDEX |
|-----------------------------|------------------------|-------------|--------------|---------------------|-----------------|-------------------|------------|---------------|
| | | | | | | | RPT | SRCE REF NO |
| .00 N.B.C. | | | | | | | | |
| FUSELAGE-CENTER-BELGN-WL200 | | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 04210000 |
| FUSELAGE-CENTER-BELGN-WL200 | | AIR | * | 9.89344 | 200 | .23274 | 65 | 1198 04212000 |
| FUSELAGE-CENTER-BELGN-WL200 | | AIR | 5.89761 | 22.9399 | 100 | .16956 | 63 | 1198 04214000 |
| FUSELAGE-CENTER-BELGN-WL200 | | AIR | 6.7114 | 26.1053 | 100 | .149 | 63 | 1114 04216000 |
| FORWARD-ATTACH-TAIL-BOOM | | HELI | 370.37 | 985.611 | 20 | .0054 | 66 | 1257 04218000 |
| FORWARD-ATTACH-TAIL-BOOM | | HELI | 462.427 | 648.89 | 40 | .0346 | 66 | 1257 04220000 |
| FORWARD-ATTACH-TAIL-BOOM | | HELI | 947.119 | 1403.43 | 40 | .01267 | 66 | 1257 04222000 |
| FUSELAGE-AFT | | AIR | * | 95.9834 | 76 | .04113 | 66 | 1250 04224000 |
| FUSELAGE-AFT | | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 04226000 |
| PRESSURE | | | | | | | | |
| PRESSURE | | | | | | | | |

RQML AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NONELECTRONIC PART FAILURE RATE DATA
 JANUARY 1968

| PART CLASS | 1 9 BUMPERS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CNF LIMIT | PART POPULATION | PART HOURS | YR OF RPT | CROSS INDEX |
|---------------------------------------|-------------|------------------------|-------------|--------------|--------------------|-----------------|------------|-----------|---------------|
| PART DESCRIPTION | | | | | | | | | |
| FLAP-WING-CENTER | | | AIR | * | 1-29559 | 700 | 1-7767 | 65 | 1198 04228000 |
| TORQUE-ARM-LOWER-LANDING-GEAR-NOSE | | | AIR | * | 93-1472 | 48 | -02472 | 65 | 1227 04230000 |
| WHEEL-PALETTE-AIR-DROP-SYSTEM | | | AIR | * | 46-5736 | 96 | -04944 | 65 | 1227 04232000 |
| CLEAR-VISION-WINDSHIELD | | | AIR | * | 27-9917 | 152 | -08226 | 66 | 1250 04234000 |
| STOP-UPPER-LANDING-GEAR-MAIN | | | AIR | * | 4-94672 | 400 | -46548 | 65 | 1198 04236000 |
| STOP-LOWER-LANDING-GEAR-MAIN | | | AIR | * | 4-94353 | 400 | -46578 | 65 | 1198 04238000 |
| DOOR-MECHANICAL-FORWARD-ENTRANCE | | | AIR | * | 46-5736 | 96 | -04944 | 65 | 1227 04240000 |
| CLEAR-VISION-WINDSHIELD | | | AIR | * | 46-5736 | 96 | -04944 | 65 | 1227 04242000 |
| DOOR-GLASS-LANDING-GEAR | | | AIR | * | 23-2868 | 192 | -09888 | 65 | 1227 04244000 |
| PING-ASSEMBLY | | | LAB | -038 | | | | 63 | 1138 04246000 |
| FLAP-WING-OUTER | | | AIR | -246239 | .957795 | 1600 | 4-0611 | 65 | 1198 04248000 |
| FLAP-WING-OUTER | | | AIR | -354233 | 1-37786 | 3264 | 2-823 | 63 | 1114 04250000 |
| RING-SUPPORT | | | LAB | 1-29 | | | | 63 | 1138 04252000 |
| DOOR-STOP-FUSELAGE-WHEEL-WELL-FAIRING | | | AIR | 2-14829 | 5-71694 | 800 | .93097 | 65 | 1198 04254000 |
| FLAP-WING-OUTER | | | AIR | 3-31748 | 5-23646 | 1600 | 2-7129 | 63 | 1198 04256000 |
| FLAP-WING-OUTER | | | AIR | 3-75465 | 5-92657 | 1600 | 2-397 | 63 | 1114 04258000 |
| STOP-UPPER-LANDING-GEAR-MAIN | | | AIR | 3-93987 | 10-4846 | 200 | -30763 | 65 | 1198 04260000 |
| STOP-UPPER-LANDING-GEAR-MAIN | | | AIR | 5-66572 | 15-1773 | 408 | -353 | 63 | 1114 04262000 |
| DOOR-STOP-FUSELAGE-WHEEL-WELL-FAIRING | | | AIR | 8-66451 | 31-3885 | 544 | .124 | 63 | 1114 04264000 |
| DOOR-LANDING-GEAR-NOSE-AFT | | | AIR | 11-3636 | 30-2403 | 204 | .176 | 63 | 1114 04266000 |
| FLAP-WING-CENTER | | | AIR | 11-7954 | 16-9584 | 700 | 1-1869 | 63 | 1198 04268000 |
| DOOR-GLASS-LANDING-GEAR | | | AIR | 12-158 | 32-3554 | 304 | -1645 | 66 | 1250 04270000 |
| FLAP-WING-CENTER | | | AIR | 13-346 | 19-1877 | 700 | 1-049 | 63 | 1114 04272000 |
| LOWER-DOOR-MECHANICAL-PARATROOP | | | AIR | 16-129 | 62-737 | 272 | -062 | 63 | 1114 04274000 |
| DOOR-LANDING-GEAR-NOSE-AFT | | | AIR | 19-6989 | 36-5404 | 100 | -25382 | 65 | 1198 04276000 |
| TORQUE-ARM-LOWER-LANDING-GEAR-NOSE | | | AIR | 24-3131 | 94-5708 | 76 | -04113 | 66 | 1250 04278000 |
| DOOR-LANDING-GEAR-NOSE-AFT | | | AIR | 25-7798 | 45-2526 | 200 | -23274 | 65 | 1198 04280000 |
| LOWER-DOOR-MECHANICAL-PARATROOP | | | AIR | 27-9281 | 40-7277 | 400 | -46548 | 65 | 1198 04282000 |
| DOOR-LANDING-GEAR-NOSE-AFT | | | AIR | 32-258 | 125-474 | 136 | -031 | 63 | 1114 04284000 |
| DOOR-MECHANICAL-FORWARD-ENTRANCE | | | AIR | 36-4697 | 81-2156 | 152 | -08226 | 66 | 1250 04286000 |
| DOOR-STOP-FUSELAGE-WHEEL-WELL-FAIRING | | | AIR | 41-3687 | 55-5213 | 200 | -50763 | 65 | 1198 04288000 |
| DOOR-STOP-FUSELAGE-WHEEL-WELL-FAIRING | | | AIR | 48-1586 | 66-8728 | 408 | -353 | 63 | 1114 04290000 |
| ARRESTING-HOOK-SYSTEM | | | AIR | 74-0877 | 120-343 | 63 | -10758 | 65 | 1155 04292000 |
| STOP-UPPER-LANDING-GEAR-MAIN | | | AIR | 110-367 | 139-31 | 200 | -299 | 63 | 1114 04294000 |
| STOP-UPPER-LANDING-GEAR-MAIN | | | AIR | 112-054 | 139-144 | 200 | -33912 | 63 | 1198 04296000 |
| HOLE-HOOK-CARGO | | | HELL | 147-058 | 572-014 | 20 | -0068 | 66 | 1257 04298000 |
| ARRESTING-HOOK-SYSTEM | | | AIR | 148-148 | 207-5 | 5 | -108 | 63 | 1104 04300000 |
| DOOR-LANDING-GEAR-NOSE-AFT | | | AIR | 176-291 | 226-13 | 304 | -1645 | 66 | 1250 04302000 |
| RESTRAIN-PALLET-AIR-DROP-SYSTEM | | | AIR | 182-348 | 258-842 | 152 | -08226 | 66 | 1250 04304000 |
| DOOR-LANDING-GEAR-NOSE-AFT | | | AIR | 273-058 | 353-552 | 192 | -09888 | 65 | 1227 04306000 |
| HOLE-HOOK-CARGO | | | HELL | 376-37 | 985-611 | 20 | -0054 | 66 | 1257 04308000 |

.00 N.O.C.

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

MECHANICAL PART FAILURE RATE DATA JANUARY 1968

PART CLASS 1'S BUMPERS

PART DESCRIPTION

-03 N.O.C.

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER 90 CONF LIMIT

PART POPULATION

PART LATION HOURS

YR OF DATA

CROSS INDEX REF NO

DOOR-LANDING-GEAR-NOSE-AFT
DOOR-LANDING-GEAR-NOSE-AFT
DOOR-STOP-FUSELAGE-WHEEL-WELL-FAIRING
DOOR-STOP-FUSELAGE-WHEEL-WELL-FAIRING
HOLE-HOOK-CARGO
HOLE-HOOK-CARGO
WING-FLAP-ASSEMBLY
WING-FLAP-ASSEMBLY
WING-FLAP-ASSEMBLY
ARM-ROAD-WHEEL-(M=MILES)

AIR
AIR
AIR
AIR
HELI
HELI
AIR
AIR
AIR
GRC

436.423
469.798
572.068
616.738
789.265
1329.47
*
12.5647
13.0586
162.206M

508.903
550.268
653.936
701.251
1215.95
1617.68
394.429
15.1928
15.9251
219.343M

100
100
100
100
40
40
2300
2300
2300
30

.16956
.149
.16956
.149
.01247
.0346
5.8378
3.8998
3.446
.1233M

63 1198 04310000
63 1114 04312000
63 1198 04314000
63 1114 04316000
66 1257 04318000
66 1257 04320000
65 1198 04322000
63 1198 04324000
63 1114 04326000
66 1255 04328000

PHENOLIC
PHENOLIC
PHENOLIC
RUBBER

ROME AIR DEVELOPMENT CENTER, GEIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

JANUARY 1968

PART CLASS 11: BUNGEES

PART DESCRIPTION FUNCTIONAL APPLICATION

N.O.C.

FEEL
FEEL
LANDING-GEAR-MAIN
UPLOCK-LANDING-GEAR-MAIN
DOWNLOCK-LANDING-GEAR-MAIN
UPLOCK-LANDING-GEAR-MAIN
UPLOCK-LANDING-GEAR-MAIN
DOWNLOCK-LANDING-GEAR-MAIN
DOWNLOCK-LANDING-GEAR-MAIN
LANDING-GEAR-TAIL
CANOPY-OVER-CENTER-LOCK
CANOPY-COUNTER
LONGITUDINAL-AUTOPILOT-OVERRIDE-FLT-
CONTROL
LATERAL-FLIGHT-CONTROL
TAIL-WHEEL-CENTER
LANDING-GEAR-707-131
LANDING-GEAR-707-131
LANDING-GEAR-727

ASSEMBLY

FEEL
MAIN-LANDING-GEAR-LOCK
NOSE-GEAR-DECK-LOCK
NOSE-LANDING-GEAR-FET

NON-ELECTRONIC PART FAILURE RATE DATA

| ENVIRONMENT | FAILURE RATE | UPPER SC CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA RPT | CROSS INDEX REF NO |
|-------------|--------------|---------------------|-----------------|------------|----------------|--------------------|
| AIR | * | 14.1263 | | .163 | 61 | 1083 04330000 |
| AIR | * | 164.471 | | .014 | 61 | 1082 04332000 |
| AIR | * | 48.2215 | 124 | .04775 | 63 | 1111 04334000 |
| AIR | 3.86212 | 7.71801 | 1194 | 1.0357 | 67 | 1272 04336000 |
| AIR | 4.3756 | 17.0197 | 946 | .22854 | 65 | 1228 04338000 |
| AIR | 4.3756 | 17.0197 | 946 | .22854 | 65 | 1228 04340000 |
| AIR | 5.7385 | 22.1862 | 812 | .17532 | 64 | 1179 04342000 |
| AIR | 11.4077 | 30.3576 | 812 | .17532 | 64 | 1179 04344000 |
| AIR | 14.4829 | 20.5584 | 1194 | 1.0357 | 67 | 1272 04346000 |
| AIR | 46.3048 | 85.9927 | 63 | .10798 | 64 | 1155 04348000 |
| AIR | 153.139 | 555.666 | 43 | .00653 | 66 | 1240 04350000 |
| AIR | 36.6.278 | 815.053 | 43 | .00653 | 66 | 1240 04352000 |
| AIR | 612.557 | 1224.12 | 43 | .00653 | 66 | 1240 04354000 |
| AIR | 1378.25 | 2175.49 | 43 | .00653 | 66 | 1240 04356000 |
| AIR | 92.5925 | 142.654 | | .108 | 63 | 2101 04358000 |
| AIR SHP GRD | 18.5185 | 72.0314 | | .054 | 57 | 262 04360000 |
| 60P | | | | | 66 | 2361 04362000 |
| 27CP | | | | | 65 | 2364 04364000 |
| 34UP | | | | | 65 | 2363 04366000 |

ROME AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 115 BELLONS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LATION | HOURS | YR | CROSS |
|--|-------------|----------------------------------|-------------|--------------|---------------------|-----------------|-------------|--------|----|----------------|
| PART DESCRIPTION | | | | | | | | | | |
| .06 N.O.C. | | | | | | | | | | |
| CONVOLUTE-EVACUATED | GRD | | | * | 135.447 | 9 | | .017 | 65 | 1193 04388000A |
| EXPLOSIVE | SIM NSL | | | * | 6059.47 | 754 | | .00038 | 65 | 1220 04378000A |
| MOTOR-IN-EXCESS-OF-1/2-INCH-STROKE | LAB | | | 2.24 | | | | | 63 | 1138 04372000 |
| NEOPRENE/FIBERGLASS | GEN | | | 20 | | | | | 62 | 1078 04374000 |
| MULL-TYPE | AIR | BOUNDARY-LAYER-CONTROL | | 38.2848 | | 172 | | .02612 | 66 | 1240 04376000A |
| OPER-26PSI | AIR | BOUNDARY-LAYER-CONTROL | | 38.2948 | | 172 | | .02612 | 66 | 1240 04378000A |
| POWER-STAINLESS-STEEL-GH2 | AIR | BOUNDARY-LAYER-CONTROL | | 320.192 | | | | .02994 | 66 | 1241 04380000A |
| RUBBER | | GASEOUS-HYDROGEN | | | | | | | | |
| 3-PLY | AIR | FUEL-CONTROL-JET (STORAGE) | | * | .130311 | 9000 | | 17.67 | 66 | 1238 04382000A |
| | LAB | | | .0941 | .366021 | | | 10.627 | 66 | 252 04384000 |
| | | | | 2.8 | | | | | 63 | 1138 04386000 |
| | AIR | DISCONNECT-FUEL-TRANSFER | | 1071.97 | 1802.58 | 43 | | .00653 | 66 | 1240 04388000A |
| | AIR | FUEL-ENGINE-LINE | | 76.5696 | 297.833 | 86 | | .01306 | 66 | 1240 04390000A |
| | LAB | | | 3 | | | | | 63 | 1138 04392000 |
| | AIR | DISCONNECT-FUEL-VENT | | 306.278 | 815.033 | 43 | | .00653 | 66 | 1240 04394000A |
| | QUAL TEST | VALVE-PRESSURE-REGULATOR- | | * | 230.260 | 6 | | .0100 | 65 | 2340 04396000 |
| | GRD | COOLING-AIR-DUCTS | | 2.30819 | 3.06628 | 6 | | .010 | 66 | 1264 04398000A |
| | AIR | CONNECTOR-AIR-COND-SYSTEM | | 153.139 | 595.666 | 43 | | .00653 | 66 | 1240 04402000A |
| .06 LINEAR, FLOW | | | | | | | | | | |
| WELDED. 4-IN-DIAMETER. 14-IN-LONG | LAB | FUEL-TANK-VENT(0-30PSIG.-400F) | | * | 1151.30 | 1 | | .0020 | 65 | 1197 04404000A |
| WELDED. 4-IN-DIAMETER. 14-IN-LONG | LAB | FUEL-TANK-VENT(0-30PSIG.-400F) | | * | 1151.30 | 1 | | .0020 | 64 | 1197 04406000A |
| .10 CRYOGENIC FLUIDS | | | | | | | | | | |
| WELDED | LAB | | | * | 1151.30 | 1 | | .0020 | 64 | 1197 04408000A |
| .56 GAS, N.O.C., LINEAR, FLOW | | | | | | | | | | |
| WELDED | LAB | HYDROGEN-GAS(0-140PSI.-300F) | | * | 1151.30 | 1 | | .00020 | 64 | 1197 04410000A |
| WELDED | LAB | (18PSIG.290CPH) | | * | 59.96350 | 1 | | .03840 | 64 | 1197 04412000A |
| WELDED. 1/2-IN-DIAMETER | LAB | FUEL-TANK-RELIEF(0-42PSIG.-345F) | | * | 1151.30 | 1 | | .00020 | 64 | 1197 04414000A |
| WELDED. 3/4-IN-DIAMETER. 7-1/4-IN-LONG | LAB | (0-29PSIG.-300F) | | * | 1151.30 | 1 | | .00020 | 64 | 1197 04416000A |
| WELDED. 6-IN-DIAMETER | LAB | H2-TANK-VENT(4-15PSIG.-320F) | | * | 2093.270 | 1 | | .00110 | 64 | 1197 04418000A |
| WELDED. 6-IN-DIAMETER. 10-IN-LONG | LAB | FUEL-VENT(0-31PSIG.-350F) | | * | 1151.30 | 1 | | .00020 | 64 | 1197 04420000A |
| WELDED. 6-IN-DIAMETER. 11-IN-LONG | LAB | HELIUM(0-41PSIG.-423F) | | * | 1151.30 | 1 | | .00020 | 64 | 1197 04422000A |
| WELDED. 6-IN-DIAMETER. 12-3/4-IN-LONG | LAB | FUEL-TANK-VENT(0-41PSIG.-400F) | | * | 1151.30 | 1 | | .00020 | 64 | 1197 04424000A |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | | PART LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------|---------------------------------|---------------------------|-------------|--------------|---------------------|---|-------------|------------|------------|-------------|
| | | | | | | | | | | |
| .76 | OXIDIZERS, N.O.C., LINEAR, FLOW | TANK-VENT(U-121PSI.-413F) | LAB | * | 11513C | 1 | .0002C | 64 | 1197 | 04426000A |
| | | | | | | | | | | |
| .76 | OXIDIZERS, N.O.C., LINEAR, FLOW | TANK-VENT(U-121PSI.-413F) | LAB | * | 11513C | 1 | .0002C | 64 | 1197 | 04426000A |
| | | | | | | | | | | |

WELDED, 2-IN-DIAMETER.
8-IN-LONG
WELDED, 5-IN-DIAMETER.
16-IN-LONG

KOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 112 BONDING STRIPS

PART DESCRIPTION

FUNCTIONAL APPLICATION

.LC N.O.C.

ENVIRONMENT
FAILURE RATE
UPPER
90 CONF
LIMIT
PART
POPULATION
PART
HOURS
YR
CF DATA INDEX
RPT SRCE REF NO
CR655

CARRIAGE-WING-FLAP-ASSEMBLY
CARRIAGE-WING-FLAP-ASSEMBLY
CARRIAGE-WING-FLAP-ASSEMBLY
CARRIAGE-WING-FLAP-ASSEMBLY
AUXILIARY-SYS-RADIO-NAV
AUXILIARY-SYS-RADIO-NAVIGATION

AIR
AIR
AIR
AIR
AIR
AIR
60.1851
177.774
231.143
498.404
3721.68
10503.2
87.7682
194.507
220.076
521.573
4269.94
11180.6
952
700
700
1400
48
76
.216
1.1869
1.049
1.6292
.02472
.04113
63 1114 04430000
63 1198 04432000
63 1114 04434000
65 1198 04436000
65 1227 04438000
66 1250 04440000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR RPT SACE | CROSS INDEX REF NO |
|------------|--------------------------------------|------------------------|------------------|--------------|---------------------|-------------------|------------|-------------|--------------------|
| | | | | | | | | | |
| -00 N.O.C. | 117 BRAKES | | SIM GRD AIR * | 115.13 | 139 | .02 | 63 | 1117 | 04432000 |
| | | | AIR * | 32.8942 | 640 | .07 | 61 | 1030 | 04444000A |
| | ANTENNA-RADAR-SYSTEM | | AIR | 10.9647 | 1920 | .21 | 61 | 1080 | 04446000A |
| | | | AIR | 3.58159 | 708 | .55841 | 65 | 1201 | 04448000 |
| | STATOR | | AIR | 5.46119 | 244 | .36622 | 65 | 1201 | 04450000 |
| | | | AIR | 13.0358 | 1716 | 1.5943 | 65 | 1201 | 04452000 |
| | PROPELLOR-REDUCTION-GEAR | | SIM GRD AIR | 16.9648 | 195 | .02775 | 64 | 1181 | 04454000A |
| | | | SIM GRD AIR | 140.169 | 139 | .02 | 63 | 1117 | 04456000 |
| | ELEVATION-ANTENNA-TOSS-BOMB-COMPUTER | | HELI | 194.485 | 240 | .06 | 65 | 1215 | 04458000 |
| | | | AIR | 175.535 | 152 | .08226 | 66 | 1290 | 04460000 |
| | WHEEL-MIL-W-5013 | | AIR | 342.624 | 96 | .04944 | 65 | 1227 | 04462000 |
| | | | GRD | 363.453 | 180 | .006 | 62 | 1072 | 04464000 |
| | SPIN-NOSE-WHEEL-LANDING-GEAR | | AIR | 1113.40 | 180 | .0847 | 64 | 1144 | 04466000A |
| | | | AIR | 789.427 | 180 | 2.2111 | 65 | 1196 | 04468000 |
| | WHEEL-MAIN-LANDING-GEAR | | AIR | 771.561 | 640 | .07 | 61 | 1080 | 04470000 |
| | | | ASSEMBLY | 942.857 | 126 | .21297 | 64 | 1155 | 04472000 |
| | LANDING-GEAR-MAIN | | AIR | 1426.12 | 848 | 1.077 | 64 | 1266 | 04474000A |
| | | | AIR | 1925.71 | 2300.55 | .22854 | 65 | 1228 | 04476000 |
| | WHEEL-MAIN-LANDING-GEAR | | AIR | 2170.29 | 812 | .17332 | 64 | 1179 | 04478000 |
| | | | AIR | 2247.31 | 2399.46 | .17332 | 67 | 1272 | 04480000A |
| | WHEEL-LANDING-GEAR | | AIR | 2723.76 | 2790.27 | .002 | 52 | 212 | 04482000 |
| | | | ANTI-SKID-SYSTEM | 4000 | 6497.35 | .190 | 63 | 2124 | 04484000 |
| | MAIN-LANDING-GEAR | | AIR | 4221.05 | 4418.03 | .017 | 66 | 1225 | 04486000 |
| | | | AIR | 10235.2 | 11303.1 | .193 | 63 | 2127 | 04488000 |
| | AFT-SPEED ASSEMBLY | | AIR | 715.789 | 801.042 | .216 | 63 | 2101 | 04490000 |
| | | | AIR | 2851.85 | 3004.58 | .481 | 66 | 2363 | 04492000 |
| | MAIN-LANDING-GEAR | | AIR | 330P | 450P | .481 | 66 | 2363 | 04494000 |
| | | | AIR | 43.659 | 58.5952 | .024 | 58 | 212 | 04496000 |
| | LANDING-GEAR-880 | | AIR | 41.6660 | 142.07 | .107 | 66 | 1234 | 04500000 |
| | | | AIR | 177.57 | 242.079 | .03 | 65 | 1215 | 04502000A |
| | LANDING-GEAR-880 | | AIR | 42.1052 | 84.1426 | .23274 | 65 | 1198 | 04504000 |
| | | | HELI | 100 | 222.693 | .16956 | 63 | 1198 | 04506000 |
| | FLAP-CONTROL | | AIR | 8.59328 | 22.868 | .23282 | 65 | 1198 | 04508000 |
| | | | AIR | 11.7952 | 31.3888 | .149 | 63 | 1114 | 04510000 |
| | ASYMMETRY-WING-FLAP-ASSEMBLY | | AIR | 11.8194 | 26.321 | .176 | 63 | 1114 | 04512000 |
| | | | AIR | 13.4228 | 35.7201 | .11637 | 65 | 1198 | 04514000 |
| | ASYMMETRY-WING-FLAP-ASSEMBLY | | AIR | 17.0454 | 37.959 | .30763 | 65 | 1198 | 04516000 |
| | | | AIR | 17.1665 | 45.736 | .353 | 63 | 1114 | 04518000 |
| | WING-FLAP-ASSEMBLY | | AIR | 25.3092 | 37.346 | .12691 | 65 | 1198 | 04520000 |
| | | | AIR | 31.1614 | 47.0202 | .088 | 63 | 1114 | 04522000 |
| | RETRACTION-LANDING-GEAR-MAIN | | AIR | 31.5183 | 62.9859 | .075 | 63 | 1114 | 04524000 |
| | | | AIR | 34.3909 | 75.9181 | .08476 | 63 | 1114 | 04526000 |
| | WING-FLAP-ASSEMBLY | | AIR | 40 | 89.0773 | .075 | 63 | 1114 | 04528000 |
| | | | AIR | 47.1809 | 94.2857 | .08476 | 63 | 1198 | 04530000 |

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

1
4
1
1
2

FUNCTIONAL APPLICATION

| | | | | | | | |
|------|---------|---------|-----|--------|----|------|-----------|
| AIR | 73.8255 | 111.396 | 100 | .143 | 63 | 1114 | 04533000 |
| AIR | 76.669 | 111.805 | 100 | .16956 | 63 | 1198 | 04534000 |
| AIR | 121.560 | 187.292 | 152 | .08226 | 66 | 1250 | 04536000A |
| AIR | 182.036 | 287.338 | 96 | .04944 | 65 | 1227 | 04538000 |
| AIR | 290.322 | 379.255 | 272 | .062 | 63 | 1114 | 04540000 |
| AIR | 525.835 | 580.864 | 608 | .329 | 66 | 1250 | 04542000 |
| AIR | 552.082 | 662.557 | 248 | .096 | 62 | 1111 | 04544000 |
| AIR | 606.796 | 684.132 | 284 | .19776 | 65 | 1227 | 04546000 |
| AIR | 914.594 | 973.94 | 400 | .46578 | 65 | 1198 | 04548000 |
| AIR | 1150.93 | 1228.31 | 200 | .33312 | 63 | 1198 | 04550000 |
| AIR | 1150.5 | 1234.13 | 200 | .299 | 63 | 1114 | 04552000 |
| AIR | 1345.6 | 1428.05 | 408 | .353 | 63 | 1114 | 04554000 |
| AIR | 1583.83 | 1657.73 | 200 | .50763 | 65 | 1198 | 04556000 |
| AIR | 1807.92 | 1968.99 | | .12943 | 63 | 1123 | 04558000A |
| PELI | 166.666 | 309.156 | 120 | .03 | 65 | 1215 | 04560000 |
| AIR | 995.405 | 1451.6 | 86 | .01306 | 66 | 1240 | 04562000A |
| AIR | 118.476 | 178.436 | | .2022 | 66 | 1241 | 04564000 |
| AIR | 12.28P | | | | 65 | 2550 | 04566000 |
| AIR | 8.73P | | | | 65 | 2550 | 04568000 |
| AIR | 15.82P | | | | 65 | 2690 | 04570000 |
| AIR | .1P | | | | 65 | 2550 | 04572000 |
| AIR | .12P | | | | 65 | 2590 | 04576000 |
| AIR | .26P | | | | 65 | 2590 | 04578000 |
| AIR | .21P | | | | 65 | 2590 | 04580000 |
| AIR | .24P | | | | 65 | 2590 | 04582000 |
| AIR | 210P | | | | 66 | 2335 | 04584000 |
| AIR | 1100P | | | | 65 | 2360 | 04586000 |
| AIR | 220P | | | | 66 | 2303 | 04588000 |
| AIR | 4 | 15.7868 | 100 | .11637 | 65 | 1198 | 04590000 |
| AIR | 7 | 12.1435 | 50 | .12691 | 65 | 1198 | 04592000 |
| AIR | 188.768 | 264.684 | 50 | .08476 | 63 | 1198 | 04594000 |
| AIR | 200 | 263.398 | 50 | .075 | 63 | 1114 | 04596000 |

| AB | AIR | * 33333C | 96.4641 12 | -02387 | 63 1111 | 63 1197 | 64598000 |
|----|-----|----------|------------|--------|---------|---------|----------|
| AB | | 3.33333C | 12.9656C | 30 | | | 64600000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

HOME ELECTRONIC PART FAILURE RATE DATA JAN. 1963

| PART CLAS | 117 BRAKES | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | VR OF DATA INDEX | CROSS RPT SACE REF NO |
|---|------------|------------------------|-------------|--------------|---------------------|-------------------|------------|------------------|-----------------------|
| .10 MAGNETIC | | | | | | | | | |
| CLUTCH/NEUTRAL-UNIT | | | | | | | | | |
| MOTOR.HORIZONTAL-STABILIZATION.FLT- CONTROL | | | | | | | | | |
| LAB | | | | | | | | | |
| 3.3333C 12.9856C 3 .3C 63 1197 04602000A | | | | | | | | | |
| 42.3205 62.7104 75 .28355 65 1196 04604000 | | | | | | | | | |
| GRD | | | | | | | | | |
| 38.3766C 3 .06C 64 1197 04606000A | | | | | | | | | |
| 28.9017 64.3622 120 .1024 66 1257 04608000 | | | | | | | | | |
| 122.4 3 326.521 60 .01 3 66 1257 04610000 | | | | | | | | | |
| 1024.39 1374.84 60 .5205 66 1257 04612000 | | | | | | | | | |
| HELI | | | | | | | | | |
| HELI | | | | | | | | | |
| LAB | | | | | | | | | |
| 50 61 1086 04614000 | | | | | | | | | |

DISC.METAL.TORQUE: 64-02-IN.
11-MILLISEC-RESPINSE-TIME
FORCE-TRIM
FORCE-TRIM
FORCE-TRIM

.20 ELECTRIC

SECTION I FAILURE RATE DATA

| | UPPER | PART | YR | CROSS |
|-----|-------|------|----|-------|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| 26 | | | | |
| 27 | | | | |
| 28 | | | | |
| 29 | | | | |
| 30 | | | | |
| 31 | | | | |
| 32 | | | | |
| 33 | | | | |
| 34 | | | | |
| 35 | | | | |
| 36 | | | | |
| 37 | | | | |
| 38 | | | | |
| 39 | | | | |
| 40 | | | | |
| 41 | | | | |
| 42 | | | | |
| 43 | | | | |
| 44 | | | | |
| 45 | | | | |
| 46 | | | | |
| 47 | | | | |
| 48 | | | | |
| 49 | | | | |
| 50 | | | | |
| 51 | | | | |
| 52 | | | | |
| 53 | | | | |
| 54 | | | | |
| 55 | | | | |
| 56 | | | | |
| 57 | | | | |
| 58 | | | | |
| 59 | | | | |
| 60 | | | | |
| 61 | | | | |
| 62 | | | | |
| 63 | | | | |
| 64 | | | | |
| 65 | | | | |
| 66 | | | | |
| 67 | | | | |
| 68 | | | | |
| 69 | | | | |
| 70 | | | | |
| 71 | | | | |
| 72 | | | | |
| 73 | | | | |
| 74 | | | | |
| 75 | | | | |
| 76 | | | | |
| 77 | | | | |
| 78 | | | | |
| 79 | | | | |
| 80 | | | | |
| 81 | | | | |
| 82 | | | | |
| 83 | | | | |
| 84 | | | | |
| 85 | | | | |
| 86 | | | | |
| 87 | | | | |
| 88 | | | | |
| 89 | | | | |
| 90 | | | | |
| 91 | | | | |
| 92 | | | | |
| 93 | | | | |
| 94 | | | | |
| 95 | | | | |
| 96 | | | | |
| 97 | | | | |
| 98 | | | | |
| 99 | | | | |
| 100 | | | | |

| RATE | LIMIT | LATION | HOURS | RPT | SRCF | REF | NO |
|------|-------|--------|-------|-----|------|-----|----|
| | | | | | | | |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

DE-ICER

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 119 BRACES

PART DESCRIPTION

00 M.G.C.

FUNCTIONAL APPLICATION

ENVIRONMENT RATE

FAILURE
RATE

UPPER
LIMIT

90 CONF
LIMIT

PART
POPULATION

PART
HOURS

YR
RPT

CROSS
INDEX
REF NO

| | | | | | | | | |
|--------------------------------------|-----|---------|---------|------|---------|----|------|-----------|
| STABILIZING-FUSELAGE-CENTER | AIR | * | 23-2808 | 192 | 0.0808 | 65 | 1227 | 04676000 |
| DRAG-LOWER-LANDING-GEAR-MAIN | AIR | * | 46-5736 | 96 | 0.0944 | 65 | 1227 | 04678000 |
| LEG INSTRUCTOR-SEAT | AIR | * | 10-0752 | 946 | 0.2854 | 65 | 1228 | 04680000 |
| SIDE-ELEVATOR-CONTROL-SYSTEM | AIR | * | 27-9917 | 132 | 0.08226 | 66 | 1250 | 046820001 |
| TAKEOFF-ASSIST-SYSTEM | AIR | * | 2-47333 | 800 | 0.93097 | 65 | 1198 | 04684000 |
| SUPPORT-FORWARD-INT-AIR-DROP-SYSTEM | AIR | * | 46-5736 | 96 | 0.0944 | 65 | 1227 | 04686000 |
| STRUT-SIDE-LANDING-GEAR-NOSE | AIR | * | 4-89344 | 200 | 0.23274 | 65 | 1198 | 04688000 |
| SUPPORT-AFT-INT-AIR-DROP-SYSTEM | AIR | * | 13-9975 | 304 | 0.1645 | 66 | 1250 | 04690000 |
| SUPPORT-FORWARD-INT-AIR-DROP-SYSTEM | AIR | * | 27-9917 | 132 | 0.08226 | 66 | 1250 | 04692000 |
| SUPPORT-VERTICAL-INT-AIR-DROP-SYSTEM | AIR | * | 27-9917 | 132 | 0.08226 | 66 | 1250 | 04694000 |
| SUPPORT-AFT-INT-AIR-DROP-SYSTEM | AIR | * | 23-2863 | 192 | 0.09888 | 65 | 1227 | 04696000 |
| SUPPORT-VERTICAL-INT-AIR-DROP-SYSTEM | AIR | * | 46-5736 | 96 | 0.0944 | 65 | 1227 | 04698000 |
| CRAG-UPPER-LANDING-GEAR-MAIN | AIR | * | 23-2868 | 192 | 0.09888 | 65 | 1227 | 04700000 |
| SWAY-BOMB-NAVIGATION-SYSTEM | AIR | * | 48-2219 | 124 | 0.04775 | 63 | 1111 | 04702000 |
| DRAG-LOWER-LANDING-GEAR-MAIN | AIR | * | 27-9917 | 132 | 0.08226 | 66 | 1250 | 04704000 |
| SIDE-ELEVATOR-CONTROL-SYSTEM | AIR | * | 46-5736 | 96 | 0.0944 | 65 | 1227 | 04706000 |
| STAB-LIZING-FUSELAGE-CENTER | AIR | * | 13-9975 | 304 | 0.1645 | 66 | 1250 | 04708000 |
| LEG INSTRUCTOR-SEAT | AIR | 2-89659 | 6-45051 | 1194 | 1.0357 | 67 | 1272 | 04710000 |
| LEG STUDENT-SEAT | AIR | 4-3756 | 17-0197 | 946 | 0.2854 | 65 | 1228 | 04712000 |
| LEG STUDENT-SEAT | AIR | 5-79318 | 10-169 | 1194 | 1.0357 | 67 | 1272 | 04714000 |
| DRAG-UPPER-LANDING GEAR-MAIN | AIR | 6-07902 | 23-6455 | 304 | 0.1645 | 66 | 1250 | 04716000 |
| DRAG-LOWER-LANDING GEAR-MAIN | AIR | 7-72424 | 12-5467 | 1194 | 1.0357 | 67 | 1272 | 04718000 |
| LEG STUDENT-SEAT | AIR | 11-4077 | 30-3576 | 812 | 0.17532 | 64 | 1179 | 04720000 |
| DRAG-LANDING-GEAR-MAIN | AIR | 17-5924 | 34-9765 | 946 | 0.2854 | 65 | 1228 | 04722000 |
| DRAG-LANDING-GEAR-NOSE | AIR | 21-4832 | 39-85 | 200 | 0.23274 | 65 | 1198 | 04724000 |
| DRAG-LANDING-GEAR-NOSE | AIR | 23-5904 | 47-1428 | 100 | 0.16926 | 63 | 1198 | 04726000 |
| DRAG-LANDING-GEAR-NOSE | AIR | 26-2536 | 58-465 | 473 | 0.1627 | 65 | 1228 | 04728000 |
| SIDE-LANDING-GEAR-MAIN | AIR | 26-2536 | 46-0842 | 946 | 0.2854 | 65 | 1228 | 04730000 |
| DRAG-LANDING-GEAR-NOSE | AIR | 26-8456 | 53-6479 | 100 | 0.169 | 63 | 1114 | 04732000 |
| CRAG-LANDING-GEAR-MAIN | AIR | 35-9269 | 67-1395 | 812 | 0.17532 | 64 | 1179 | 04734000 |
| TIP-PROTECTION-GEAR | AIR | 41-8935 | 162-953 | 62 | 0.02387 | 63 | 1111 | 04736000 |
| DRAG-LANDING-GEAR-NOSE | AIR | 6-3266 | 109-01 | 63 | 0.10798 | 64 | 1155 | 04738000 |
| SIDE-LANDING-GEAR-MAIN | AIR | 56-5216 | 78-1244 | 1194 | 1.0357 | 67 | 1272 | 04740000 |
| DRAG-LANDING-GEAR-NOSE | AIR | 67-5819 | 84-7121 | 597 | 0.3189 | 67 | 1272 | 04742000 |
| DRAG-LANDING-GEAR-NOSE | AIR | 68-4462 | 120-147 | 406 | 0.08766 | 64 | 1179 | 04744000 |
| DRAG-LANDING-GEAR-MAIN | AIR | 226-883 | 274-339 | 126 | 0.21597 | 64 | 1155 | 04746000 |
| SIDE-LANDING-GEAR-MAIN | AIR | 410-677 | 479-93 | 812 | 0.17532 | 64 | 1179 | 04748000 |
| DRAG-STRUT | AIR | 431-578 | 499-307 | | 0.190 | 63 | 1124 | 04750000 |
| MAIN-LANDING-GEAR | AIR | 453-703 | 518-268 | | 0.416 | 63 | 2101 | 04752000 |
| DRAG-LANDING-GEAR-NOSE | AIR | 1321-3 | 1999-77 | 32 | 0.083 | 66 | 1225 | 04754000 |
| DRAG-LANDING-GEAR-NOSE | AIR | 1433-44 | 1760-69 | | 0.053 | 66 | 1241 | 04756000 |
| NOSE-WHEEL-DRAW | AIR | 129-629 | 186-37 | | 0.108 | 63 | 2101 | 04758000 |
| LANDING-GEAR-727 | AIR | 210P | | | | 66 | 2365 | 04760000 |
| LANDING-GEAR-727 | AIR | 270P | | | | 65 | 2360 | 04762000 |
| LANDING-GEAR-331C/373C | AIR | 490P | | | | 65 | 2365 | 04764000 |

ASSEMBLY
DRAG-NOSE-LANDING-GEAR
DRAG-NOSE-LANDING-GEAR
DRAG-NOSE-LANDING-GEAR

ROK AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|-------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|
| SECTION 1 | FAILURE RATE DATA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | </ |
|-----------|-------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NONELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 125 BRACKETS

PART DESCRIPTION

-CC H.A.C.

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER | | PART | PART | YR | CARDS |
|--|------------------------|-------------|--------------|---------|-------|--------|--------|---------|-------------|
| | | | | 90 CONF | POPUL | LATION | HOURS | OF DATA | INDEX |
| | | | | LIMIT | | | | RPT | SRCR REF NO |
| LIMIT-SWITCH-LANDING-GEAR-MAIN | AIR | * | * | 4.94353 | 400 | | .46578 | 65 1198 | 04768000 |
| PULLEY-ENGINE-CONTROL | AIR | * | * | 19.7868 | 100 | | .11637 | 65 1198 | 04770000 |
| DRUM-RODDER-SERV0-AUT0PILOT-SYS-MA2 | AIR | * | * | 192.847 | 51 | | .01194 | 65 1198 | 04772000 |
| STABILIZER-VERTICAL-FUSELAGE | AIR | * | * | 26.2673 | 406 | | .08766 | 64 1179 | 04774000 |
| HINGE-COWL-DOOR-ENGINE-NACELLE | AIR | * | * | 93.1472 | 48 | | .02472 | 65 1227 | 04776000 |
| LINE-HYDRAULIC-STEERING-LANDING-GEAR | AIR | * | * | 18.1435 | 50 | | .12691 | 65 1198 | 04778000 |
| PULLEY-AILERON-CONTROL-SYSTEM | AIR | * | * | 19.7868 | 100 | | .11637 | 65 1198 | 04780000 |
| SUPPORT-STARTER-VALVE-REDUCTION-GEAR | AIR | * | * | 4.94672 | 400 | | .46548 | 65 1198 | 04782000 |
| SUPPORT-COUNTERWEIGHT-AILERON-SYSTEM | AIR | * | * | 1.97868 | 1000 | | .11637 | 65 1198 | 04784000 |
| WITH-DRUM-AILERON-AUT0PILOT-SYSTEM | AIR | * | * | 19.7868 | 100 | | .11637 | 65 1198 | 04786000 |
| COUNTERBALANCE-DOOR-MECHANICAL | AIR | * | * | 27.9917 | 152 | | .08226 | 66 1250 | 04788000 |
| FORWARD-ENT | | | | | | | | | |
| COUNTERBALANCE-DOOR-MECHANICAL-FWD-ENT | AIR | * | * | 46.5736 | 96 | | .04944 | 65 1227 | 04790000 |
| COUNTERBALANCE-DOOR-MECHANICAL | AIR | * | * | 13.9975 | 304 | | .1645 | 66 1250 | 04792000 |
| PERS0NNEL-CARGO-COMPARTMENT | | | | | | | | | |
| DOOR-LANDING-GEAR-NOSE-FORWARD | AIR | * | * | 27.9917 | 152 | | .08226 | 66 1250 | 04794000 |
| DISCONNECT-IGNITION-SYSTEM-TURBOJET | AIR | * | * | 22.6055 | 812 | | .10186 | 64 1179 | 04796000 |
| LINE-HYDRAULIC-STEERING-LANDING-GEAR | AIR | * | * | 19.7868 | 100 | | .11637 | 65 1198 | 04798000 |
| MOUNTING-GALLEY | AIR | * | * | 19.7868 | 100 | | .11637 | 65 1198 | 04800000 |
| DRUM-STAB-TRIM-SERV0-AUT0PILOT-SYS-MA2 | AIR | * | * | 192.847 | 31 | | .01194 | 63 1111 | 04802000 |
| MOUNTING-ATM-AUX-POWER-PLANT | AIR | * | * | 18.1435 | 50 | | .12691 | 65 1198 | 04804000 |
| STABILIZER-VERTICAL-FUSELAGE | AIR | * | * | 20.1505 | 473 | | .11427 | 65 1228 | 04806000 |
| STEERING-LANDING-GEAR | AIR | * | * | 31.049 | 144 | | .07416 | 65 1227 | 04808000 |
| WITH-DRUM-RUDDER-AUT0PILOT-SYSTEM | AIR | * | * | 19.7868 | 100 | | .11637 | 65 1198 | 04810000 |
| DRUM-ELEVATOR-SERV0-AUT0PILOT-SYS-MA2 | AIR | * | * | 192.847 | 31 | | .01194 | 63 1111 | 04812000 |
| DRIVE-PROPELLER-ASSEMBLY | AIR | * | * | 4.94672 | 400 | | .46548 | 65 1198 | 04814000 |
| STOWAGE-OXYGEN-PORABLE-SYSTEM | AIR | * | * | 4.94672 | 400 | | .46548 | 65 1198 | 04816000 |
| WITH-DRUM-ELEVATOR-AUT0PILOT-SYSTEM | AIR | * | * | 19.7868 | 100 | | .11637 | 65 1198 | 04818000 |
| MOUNTING-ATM-AUX-POWER-PLANT | AIR | * | * | 19.7868 | 100 | | .11637 | 65 1198 | 04820000 |
| LINE-HYDRAULIC-STEERING-LANDING-GEAR | AIR | * | * | 27.1597 | 50 | | .08478 | 63 1198 | 04822000 |
| SUPPORT-HINGE-WINDSHIELD-STUDENT | AIR | * | * | 13.1336 | 812 | | .17332 | 64 1179 | 04824000 |
| JETTISON-CANOPY-STUDENT | AIR | * | * | 26.2673 | 406 | | .08766 | 64 1179 | 04826000 |
| LATCH-COWL-DOOR-ENGINE-NACELLE | AIR | * | * | 93.1472 | 48 | | .02472 | 65 1227 | 04828000 |
| HINGE-AILERON-FLIGHT-CONTROL | AIR | * | * | 1.94883 | 1200 | | .13965 | 65 1198 | 04830000 |
| SUPPORT-COUNTERWEIGHT-AILERON-SYSTEM | AIR | * | * | .907178 | 1000 | | 2.5382 | 65 1198 | 04832000 |
| SUPPORT-ROLLER-DOOR-MECHANICAL-PERS0NNEL-CARGO-COMPARTMENT | AIR | * | * | 13.9975 | 304 | | .1645 | 66 1250 | 04834000 |
| DOOR-LANDING-GEAR-NOSE-FORWARD | AIR | * | * | 46.5736 | 96 | | .04944 | 65 1227 | 04836000 |
| DRUM-LATERAL-SERV0-AUT0PILOT-SYS-MA2 | AIR | * | * | 192.847 | 31 | | .01194 | 63 1111 | 04838000 |
| CABIN-AIR-CONDITIONING-SYSTEM | AIR | * | * | 26.2673 | 406 | | .08766 | 64 1179 | 04840000 |
| JETTISON-CANOPY-INSTRUCTOR | AIR | * | * | 20.1505 | 473 | | .11427 | 65 1228 | 04842000 |

ROH: AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 120 BRACKETS | | | | | | | | | | | | |
|------------------|--------------------------------------|-------------|--------------|-------------|-------------------|------------|--------|---------|----------|-------|--|--|--|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POPU- LATION | PART HOURS | YR RPT | GF DATA | INDEX | CROSS | | | |
| | SUPPORT.TANK-ENGINE-OIL-SYSTEM | AIR | * | 4.94672 | 400 | .46548 | 65 | 1198 | 04844000 | | | | |
| | COUNTERBALANCE.DDOR.MECH.PERSONNEL. | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 | 04845000 | | | | |
| | C-C | | | | | | | | | | | | |
| | DDOR.EMERGENCY.FORWARD-ESCAPE-HATCH | AIR | * | 92.1472 | 48 | .02472 | 65 | 1227 | 04848000 | | | | |
| | SUPPORT-COUNTERWEIGHT.AILERON-SYSTEM | AIR | * | 1.35798 | 1000 | 1.6956 | 63 | 1198 | 04850000 | | | | |
| | RELEASE.EMERGENCY.MAIN-LANDING-GEAR | AIR | * | 5.59834 | 760 | .4113 | 66 | 1250 | 04852000 | | | | |
| | SHELF.LANDING-GEAR.MAIN | AIR | * | 4.53598 | 200 | .50763 | 65 | 1198 | 04854000 | | | | |
| | SUPPORT.STEERING-CYLINDER.NLG | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 | 04856000 | | | | |
| | STEERING.LANDING-GEAR | AIR | * | 18.6596 | 228 | .1234 | 66 | 1250 | 04858000 | | | | |
| | RELEASE-HANDLE.LIFE-RAFT.SURVIVAL | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 | 04860000 | | | | |
| | RELEASE.EMERGENCY.NLG | AIR | * | 9.31472 | 480 | .2472 | 65 | 1227 | 04862000 | | | | |
| | BORGESIGHT | LAB | .013 | | | | 63 | 1138 | 04864000 | | | | |
| | MOUNTING | LAB | .013 | | | | 63 | 1138 | 04866000 | | | | |
| | | LAB | .14 | | | | 63 | 1138 | 04868000 | | | | |
| | MOUNTING | AIR | .5 | | | | 61 | 1068 | 04870000 | | | | |
| | VALVE.TEMPERATURE-DATUM | AIR | 1.00275 | 2.66848 | 1716 | 1.9945 | 65 | 1201 | 04872000 | | | | |
| | ASSEMBLY | LAB | 2.1 | | | | 63 | 1138 | 04874000 | | | | |
| | SWIVEL.LANDING-MAIN | AIR | 2.14693 | 8.35093 | 400 | .46578 | 65 | 1198 | 04876000 | | | | |
| | MOUNTING.OVERHEAT-DETECTORS | AIR | 2.14832 | 8.35632 | 400 | .46542 | 65 | 1198 | 04878000 | | | | |
| | VALVE.TEMPERATURE-DATUM.FRONT | AIR | 2.73059 | 10.6212 | 244 | .36622 | 65 | 1201 | 04880000 | | | | |
| | SUPPORT.WINDSHIELD.STUDENT | AIR | 3.86212 | 7.71801 | 1194 | 1.0357 | 67 | 1272 | 04882000 | | | | |
| | HINGE.AILERON-ASSEMBLY | AIR | 3.9398 | 15.3246 | 100 | .25382 | 65 | 1198 | 04884000 | | | | |
| | HINGE.AILERON-ASSEMBLY | AIR | 4.29664 | 16.7126 | 200 | .23274 | 65 | 1198 | 04886000 | | | | |
| | DISCONNECT.IGNITION-SYSTEM.TURBOJET | AIR | 4.3756 | 17.0197 | 946 | .22854 | 65 | 1228 | 04888000 | | | | |
| | FLOW-METER | AIR | 5.46119 | 14.533 | 244 | .36622 | 65 | 1201 | 04890000 | | | | |
| | HINGE.AILERON-ASSEMBLY | AIR | 5.68181 | 22.1005 | 204 | .176 | 63 | 1114 | 04892000 | | | | |
| | STABILIZER.VERTICAL.FUSELAGE | AIR | 5.79273 | 12.9 | 597 | .51789 | 67 | 1272 | 04894000 | | | | |
| | SHELF.LANDING-GEAR.MAIN | AIR | 5.89761 | 15.6944 | 200 | .33912 | 63 | 1198 | 04896000 | | | | |
| | SHELF.LANDING-GEAR.MAIN | AIR | 6.68896 | 17.8003 | 200 | .299 | 63 | 1114 | 04898000 | | | | |
| | SUPPORT.BUMPER.RUBBER.(M=MILES) | GRD | 8.1103M | 31.5466M | 30 | .1233M | 66 | 1255 | 04900000 | | | | |
| | SUPPORT.PUMP.BILGE.(M=MILES) | GRD | 8.1103M | 31.5466M | 30 | .1233M | 66 | 1255 | 04902000 | | | | |
| | VALVE.TEMPERATURE-DATUM.REAR | AIR | 8.19179 | 18.2425 | 244 | .36622 | 65 | 1201 | 04904000 | | | | |
| | NACELLE | AIR | 8.59328 | 33.4252 | 100 | .11637 | 65 | 1198 | 04906000 | | | | |
| | FIRE-EXTINGUISHER-SYSTEM | AIR | 8.59328 | 17.1727 | 400 | .46548 | 65 | 1198 | 04908000 | | | | |
| | CONTROL.RUDDER-TRIM-TAB-ASBLY | AIR | 8.59328 | 33.4252 | 100 | .11637 | 65 | 1198 | 04910000 | | | | |
| | SUPPORT.WINDSHIELD.STUDENT | AIR | 8.7512 | 23.2882 | 946 | .22854 | 65 | 1228 | 04912000 | | | | |
| | HINGE.RUDDER-SYSTEM | AIR | 9.65456 | 17.9086 | 597 | .51789 | 67 | 1272 | 04914000 | | | | |
| | SUPPORT.WINDSHIELD.STUDENT | AIR | 9.6553 | 14.8755 | 1194 | 1.0357 | 67 | 1272 | 04916000 | | | | |
| | JETTISON.CANOPY.INSTRUCTOR | AIR | 11.4077 | 44.3725 | 406 | .08766 | 64 | 1179 | 04918000 | | | | |
| | SUPPORT.HEATER.ENGINE-AIR-BOX. | GRD | 16.2074M | 63.0421M | 15 | .0617M | 66 | 1255 | 04920000 | | | | |
| | (M=MILES) | | | | | | | | | | | | |
| | SUPPORT.ALTERNATOR.(M=MILES) | GRD | 16.2074M | 63.0421M | 15 | .0617M | 66 | 1255 | 04922000 | | | | |
| | SUPPORT.OIL/FUEL-FILTER.(M=MILES) | GRD | 16.2074M | 63.0421M | 15 | .0617M | 66 | 1255 | 04924000 | | | | |
| | SUPPORT.MUFFLER.ENGINE.(M=MILES) | GRD | 16.2074M | 63.0421M | 15 | .0617M | 66 | 1255 | 04926000 | | | | |
| | SUPPORT.IDLER.FAN-PULLEY.(M=MILES) | GRD | 16.2074M | 63.0421M | 15 | .0617M | 66 | 1255 | 04928000 | | | | |

U

N.C.C.

-OF N.E.C.

MONOELECTRONIC PARY FAMILIES GATE DATA JANUARY 1968

12C BRACKETS

FUNCTIONAL APPLICATION

| | OFFER | PART- | PART | SP DATA INDEX | CROSS |
|--------------|---------|--------|-------|---------------|--------|
| | 90 CONF | PEM- | HOURS | RPT SRC | REF NO |
| FAILURE RATE | LIMIT | LATISM | HOURS | | |
| ENVIRONMENT | | | | | |

108

HQME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NONELECTRONIC PART FAILURE RATE DATA
JANUARY 1968

PART CLASS 12C BRACKETS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT RATE FAILURE 90 CONF PART OF DATA CROSS
LIMIT LAYON HOURS RPT SRCE REF NO INDEX

.00 N.O.C.

RADOME-SYSTEM
VENTURI-TUBE-COMPRESSOR
SHELF-LANDING-GEAR-MAIN
MCOUNTING-WHIP-ANTENNA
MCOUNTING-WHIP-ANTENNA
DOOR-LANDING-GEAR-MAIN
FOLDING-PIN-MAIN-ROTOR
DOOR-LANDING-GEAR-MAIN
GIL-ENGINE-POWER-PLANT-SYSTEM
UMPIICAL-ENGINE
THRUST-REVERSER-SYSTEM
THRUST-REVERSER-SYSTEM

AIR
AIR
AIR
HELI
HELI
AIR
HELI
AIR
AIR
AIR
AIR
AIR

111.131
113.507
145.161
147.058
185.185
214.404
258.333
358.211
1018.57
1515.15
1618.12
5810.84

164.674
302.06
225.129
572.014
720.314
259.25
328.582
383.24
1414.38
5893.48
1997.98
6322.76

63
64
272
20
20
946
480
1194
64
6
48
76

.10798
.01762
.062
.0068
.0054
.22854
.12
1.0357
.01669
.00066
.02472
.041'3

65 1155 05016000
65 1201 05018000
63 1114 05020000
66 1257 05022000
66 1257 05024000
65 1228 05026000
65 1215 05028000
67 1272 05030000
66 1225 05032000
62 1157 05034000
65 1227 05036000
66 1250 05038000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1960

| PART CLASS | 121 BLOWERS AND FANS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART NO | VR | CROSS |
|-------------------------|---------------------------|------------------------|-------------|--------------|-------------|---------|---------|------------------|
| PART DESCRIPTION | | | | | | | OF DATA | INDEX |
| | | | | | | | RPT | SOURCE REF NO |
| -00 N.O.C. | | | | | | | | |
| AC | (STORAGE) | | | | | | | |
| BLOWER | F-111 | | MSL | * | .49183 | 1258 | 4.65 | 65 1254 05040000 |
| BLOWER | F-111 | | AIR | * | 404.674 | | .00565 | 62 2700 05042000 |
| BLOWER | F-111 | | AIR | * | 73.8249 | | .03119 | 62 2700 05044000 |
| BLOWER | F-111 | | AIR | * | 74.8326 | | .03077 | 62 2700 05046000 |
| BLOWER | F-111 | | AIR | * | 412.652 | | .00558 | 62 2700 05048000 |
| BLOWER | F-111 | | AIR | * | 412.652 | | .00558 | 62 2700 05050000 |
| BLOWER | F-111 | | AIR | * | 412.652 | | .00558 | 62 2700 05052000 |
| CABIN-AIR-RECIRCULATING | AIR-CONDITIONING-707-131 | | AIR | 150P | | | | 65 2362 05052000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 150P | | | | 64 2362 05054000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 170P | | | | 66 2362 05056000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 220P | | | | 66 2362 05058000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 230P | | | | 66 2362 05060000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 270P | | | | 64 2362 05062000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 370P | | | | 64 2362 05064000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 200P | | | | 66 2363 05066000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 430P | | | | 66 2363 05068000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 270P | | | | 65 2360 05070000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 270P | | | | 65 2360 05072000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 320P | | | | 66 2363 05074000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 330P | | | | 66 2363 05076000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 400P | | | | 66 2363 05078000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 460P | | | | 65 2365 05080000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 470P | | | | 66 2363 05082000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 90P | | | | 66 2360 05084000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 140P | | | | 66 2360 05086000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 130P | | | | 66 2360 05088000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 150P | | | | 66 2362 05090000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 240P | | | | 66 2362 05092000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 300P | | | | 66 2362 05094000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 320P | | | | 65 2362 05096000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 340P | | | | 65 2362 05098000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 340P | | | | 66 2362 05100000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 460P | | | | 66 2362 05102000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 930P | | | | 66 2362 05104000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 1390P | | | | 66 2362 05106000 |
| BLOWER | AIR-CONDITIONING-707-131 | | AIR | 430P | | | | 65 2363 05108000 |
| BLOWERS | HEATER-CAMERA-COMPARTMENT | | AIR | * | 192.847 | 31 | .01194 | 63 1111 05112000 |
| BLOWERS | LIAISON-RADIO-ARC-21 | | AIR | * | 1186.9 | 31 | .00194 | 63 1111 05114000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 121 BLOWERS AND FANS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION HOURS | YR OF DATA INDEX | CROSS RPT SRCE REF NO |
|---------------------------------|----------------------|---|-------------|--------------|---------------------|-------------------|------------------|-----------------------|
| PART DESCRIPTION | | | | | | | | |
| .00 M.O.C. | | | | | | | | |
| BLOWERS | | GRD | | * .031674 | 164.471 | .014 | 63 1100 | 05116000 |
| BLOWERS | | LAB | | 2.4 | .055493 | 189.79 | 63 2226 | 05118000 |
| BLOWERS | | SHIP | | 2.85 | | | 63 1138 | 05120000 |
| BLOWERS | | TV-CAMERA-COMPT. ANTI-ICE/DE-ICE-SYS | | 11.7952 | 45.8799 | .08478 | 63 1198 | 05124000 |
| BLOWERS | | TV-CAMERA-COMPT. ANTI-ICE/DE-ICE-SYS | | 13.3333 | 51.8626 | .075 | 63 1114 | 05126000 |
| BLOWERS | | INTERNAL-RADIO-RECEIVER-TRANSMITTER | SIM GRD AIR | 55.5555 | 216.094 | .018 | 63 1117 | 05128000 |
| BLOWERS | | THERMISTOR-SAMPLE-AIR-COND. FLIGHT-DECK | AIR | 56.8181 | 105.394 | .083 | 63 1114 | 05130000 |
| BLOWERS | | THERMISTOR-SAMPLE-AIR-COND. CARGO-COMPARTMENT | SIM AIR | 62.5 | 243.106 | .016 | 63 1100 | 05132000 |
| BLOWERS | | DEFOGGING-CAMERA-ASSEMBLY | AIR | 68.7462 | 111.667 | .11637 | 65 1198 | 05134000 |
| BLOWERS | | INTERNAL-IFF-SET-APX-25 | SIM AIR | 71.4285 | 190.082 | .028 | 63 1114 | 05136000 |
| BLOWERS | | THERMISTOR-SAMPLE-AIR-COND. FLIGHT-DECK | SIM GRD AIR | 72.3065 | 281.25 | .01383 | 65 1206 | 05138000A |
| BLOWERS | | THERMISTOR-SAMPLE-AIR-COND. FLIGHT-DECK | SIM GRD AIR | 79.8403 | 212.467 | .02505 | 64 1181 | 05140000A |
| BLOWERS | | THERMISTOR-SAMPLE-AIR-COND. FLIGHT-DECK | AIR | 102.434 | 149.381 | .12691 | 65 1198 | 05142000 |
| BLOWERS | | THERMISTOR-SAMPLE-AIR-COND. CARGO-COMPARTMENT | AIR | 125 | | | 61 1068 | 05144000 |
| BLOWERS | | DEFOGGING-CAMERA-ASSEMBLY | AIR | 149.712 | 204.101 | .12691 | 65 1198 | 05146000 |
| BLOWERS | | THERMISTOR-SAMPLE-AIR-COND. CARGO-COMPARTMENT | AIR | 159.54 | 295.938 | .03134 | 63 1198 | 05148000 |
| BLOWERS | | THERMISTOR-SAMPLE-AIR-COND. CARGO-COMPARTMENT | AIR | 181.818 | 255.131 | .088 | 63 1114 | 05150000 |
| BLOWERS | | THERMISTOR-SAMPLE-AIR-COND. FLIGHT-DECK | AIR | 186.666 | 268.373 | .075 | 63 1114 | 05152000 |
| BLOWERS | | THERMISTOR-SAMPLE-AIR-COND. FLIGHT-DECK | AIR | 188.723 | 264.821 | .08478 | 63 1198 | 05154000 |
| BLOWERS | | THERMISTOR-SAMPLE-AIR-COND. FLIGHT-DECK | AIR | 206.238 | 271.406 | .11637 | 65 1198 | 05156000 |
| BLOWERS | | THERMISTOR-SAMPLE-AIR-COND. CARGO-COMPARTMENT | AIR | 353.857 | 451.935 | .08478 | 63 1198 | 05158000 |
| BLOWERS | | COOLING-LOCAL-OSCILLATOR | GRD | 359.424 | 494.335 | .05008 | 65 1223 | 05160000 |
| BLOWERS | | THERMISTOR-SAMPLE-AIR-COND. CARGO-COMPARTMENT | AIR | 360 | 466.123 | .075 | 63 1114 | 05162000 |
| BLOWERS-AC-VANEAXIAL | | LAB | | * | 109.647 | .021 | 63 1197 | 05164000A |
| BLOWERS-AIR | | AIR | | * | 6.91471 | .333 | 62 2240 | 05166000 |
| BLOWERS-AIR | | GROUND-CABLING | AIR | 125.68 | 279.892 | .92387 | 62 1111 | 05168000 |
| BLOWERS-AIR-COLD | | AIR | | 35.0877 | 93.3736 | .057 | 61 1084 | 05170000 |
| BLOWERS-CABIN-AIR-RECIRCULATING | | AIR | | 385.964 | 514.39 | .057 | 61 1084 | 05172000 |
| BLOWERS-CABIN-AIR-RECIRCULATING | | AIR | | 1109 | | | 66 2360 | 05174000 |
| BLOWERS-CABIN-AIR-RECIRCULATING | | AIR | | 1109 | | | 66 2360 | 05176000 |
| BLOWERS-CABIN-AIR-RECIRCULATING | | AIR | | 1109 | | | 66 2360 | 05178000 |

005-1-509

W.B.C.

SECTION I FAILURE RATE DATA

SEC. 1001.1

PART CLASS 121 BLOWERS AND FANS

SECRET

FUNCTIONAL APPLICATION

ENVIRONMENT RATE

| UPPER | 90 CONF | LIMIT |
|--------------|---------|-------|
| FAILURE RATE | | |

| PART | PART | PART |
|------------|------------|------------|
| POPULATION | POPULATION | POPULATION |

| YR | CROSS |
|----------------|-------|
| 6F DATA INDEX | |
| PI SRCE REF N6 | |

2000

[illegible]

378555

SHS 235 L. 11-20-23
PLACE 100-CL-FT/MI

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1952

| PART CLASS | 121 BLOWERS AND FANS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90% CONF. LIMIT | PART 1.112H HOURS | Y2 6F DATA INDEX | CROSS REF |
|----------------------|----------------------|-----------------------------------|-------------|--------------|-----------------------|-------------------|------------------|-----------|
| PART DESCRIPTION | | | | | | | | |
| FANS-CENTRIFUGAL | | | | * | 0.66686 | 49.32 | 21 2226 05350000 | |
| FANS-CENTRIFUGAL | | | | 0.0117 | 0.64551 | 85.370 | 21 2226 05352000 | |
| FANS-CENTRIFUGAL | | AIR-CONDITIONING-707-331B | AIR | 508767 | 0.603052 | 17.690 | 21 2226 05354000 | |
| FANS-CONDENSOR | | AIR-CONDITIONING-707-331B | AIR | 50P | | | 21 2226 05356000 | |
| FANS-CONDENSOR | | PNEUMATIC-SYSTEM-APU | AIR | 210P | | | 21 2226 05358000 | |
| FANS-COOLING | | GIL-SYSTEM-GTC-AUX-POWER-PLANT | AIR | * | 93.147 | 42.212 | 21 2226 05360000 | |
| FANS-COOLING | | GIL-SYSTEM-GTC-AUX-POWER-PLANT | AIR | * | 18.1435 | 50 | 21 2226 05362000 | |
| FANS-COOLING | | GIL-SYSTEM-GTC-AUX-POWER-PLANT | AIR | * | 575.65 | 0.026 | 21 2226 05364000 | |
| FANS-COOLING | | GIL-SYSTEM-GTC-AUX-POWER-PLANT | AIR | * | 19.7868 | 100 | 21 2226 05366000 | |
| FANS-COOLING | | PNEUMATIC-SYSTEM | AIR | * | 27.1597 | 50 | 21 2226 05368000 | |
| FANS-COOLING | | AUXILIARY-POWER-UNIT | AIR | * | 55.9234 | 76 | 21 2226 05370000 | |
| FANS-COOLING | | | | | | | | |
| FANS-COOLING | | ELECTRICAL-COOLING-SYSTEM | GRD | 3.68248 | 4.76803 | 7.332 | 21 2226 05372000 | |
| FANS-COOLING | | ELECTRICAL-COOLING-SYSTEM | AIR | 20.2265 | 76.8751 | 96 | 21 2226 05374000 | |
| FANS-COOLING | | | AIR | 48.6263 | 97.1742 | 152 | 21 2226 05376000 | |
| FANS-COOLING | | RADIO-RACK/CARGO-AIR-CONDITIONING | SHIP | 84.7457 | 157.191 | 28 | 21 2226 05378000 | |
| FANS-COOLING | | ELECTRONIC-COOLING-SYSTEM | AIR | 95.2213 | 114.076 | 150 | 21 2226 05380000 | |
| FANS-COOLING | | STARTER-GENERATOR-SYSTEM | AIR | 121.359 | 213.027 | 96 | 21 2226 05382000 | |
| FANS-COOLING | | ELECTRONIC-COOLING-SYSTEM | HELI | 157.853 | 420.071 | 40 | 21 2226 05384000 | |
| FANS-COOLING | | STARTER-GENERATOR-SYSTEM | AIR | 230.274 | 314.296 | 152 | 21 2226 05386000 | |
| FANS-COOLING | | ATM-AUX-POWER-PLANT | HELI | 231.213 | 375.569 | 40 | 21 2226 05388000 | |
| FANS-COOLING | | ATM-AUX-POWER-PLANT | AIR | 625 | 747.488 | 102 | 21 2226 05390000 | |
| FANS-COOLING | | ATM-AUX-POWER-PLANT | AIR | 733.333 | 1106.54 | 68 | 21 2226 05392000 | |
| FANS-COOLING | | ATM-AUX-POWER-PLANT | AIR | 104.801 | 879.530 | 100 | 21 2226 05394000 | |
| FANS-COOLING | | ATM-AUX-POWER-PLANT | AIR | 827.357 | 940.745 | 50 | 21 2226 05396000 | |
| FANS-COOLING | | ATM-AUX-POWER-PLANT | AIR | 1085.16 | 1245.02 | 50 | 21 2226 05398000 | |
| FANS-COOLING | | ATM-AUX-POWER-PLANT | AIR | 1146.68 | 1321.96 | 50 | 21 2226 05400000 | |
| FANS-COOLING | | TRANSMISSION-OIL | HELI | 201.682 | 337.195 | 151 | 21 2226 05402000 | |
| FANS-COOLING | | | LIB | 23 | | | 21 2226 05404000 | |
| FANS-EXHAUST | | CABIN | AIR | 94.4733 | 251.407 | 45 | 21 2226 05406000 | |
| FANS-FREON-CONDENSER | | AIR-CONDITIONING-707-131B | AIR | 60P | | | 21 2226 05408000 | |
| FANS-FREON-CONDENSER | | AIR-CONDITIONING-707-131B | AIR | 76P | | | 21 2226 05410000 | |
| FANS-FREON-CONDENSER | | AIR-CONDITIONING-707-131 | AIR | 110P | | | 21 2226 05412000 | |
| FANS-FREON-CONDENSER | | AIR-CONDITIONING-707-331 | AIR | 130P | | | 21 2226 05414000 | |
| FANS-FREON-CONDENSER | | AIR-CONDITIONING-707-131B | AIR | 130P | | | 21 2226 05416000 | |
| FANS-FREON-CONDENSER | | AIR-CONDITIONING-707-331 | AIR | 140P | | | 21 2226 05418000 | |
| FANS-FREON-CONDENSER | | AIR-CONDITIONING-707-331 | AIR | 140P | | | 21 2226 05420000 | |
| FANS-FREON-CONDENSER | | AIR-CONDITIONING-707-131 | AIR | 140P | | | 21 2226 05422000 | |
| FANS-FREON-CONDENSER | | AIR-CONDITIONING-707-131 | AIR | 210P | | | 21 2226 05424000 | |
| FANS-FREON-CONDENSER | | AIR-CONDITIONING-707-131 | AIR | 270P | | | 21 2226 05426000 | |
| FANS-FREON-CONDENSER | | AIR-CONDITIONING-707-131 | AIR | 270P | | | 21 2226 05428000 | |
| FANS-FREON-CONDENSER | | AIR-CONDITIONING-707-131 | AIR | 290P | | | 21 2226 05430000 | |
| FANS-FREON-CONDENSER | | AIR-CONDITIONING-707-131 | AIR | 340P | | | 21 2226 05432000 | |
| FANS-FREON-CONDENSER | | AIR-CONDITIONING-707-131 | AIR | 390P | | | 21 2226 05434000 | |
| FANS-FREON-CONDENSER | | AIR-CONDITIONING-707-131 | AIR | | | | 21 2226 05436000 | |

ROME AIR DEVELOPMENT CENTER, GRIFT-55 AFB, N.Y.
SECTION I FAILURE RATE DATA

| NONELECTRONIC PART FAILURE RATE DATA | | | | | | | | | | JANUARY 1968 | |
|---|--|--------------|---------------|--------------|--------|---------|-------|----------|----|--------------|--|
| PART CLASS | 121 BLOWERS AND FAN | UPPER | | PART | PART | VR | | GROSS | | | |
| PART DESCRIPTION | FUNCT. ONAL APPLICATION | FAILURE RATE | 90 CONF LIMIT | POSD- LATION | HOURS | OF DATA | INDEX | REF | AC | | |
| DO N.J.C. | | ENVIRONMENT | | | | | | | | | |
| FANS, FAN-CONDENSE | AIR CONDITIONING, 707-131 | 390P | | | | 65 | 2360 | 05428000 | | | |
| FANS, POWER-SUPPLY-UNIT | AIR-CONDITIONING, 707-131B | 110P | | | | 66 | 2360 | 05440000 | | | |
| FANS, POWER-SUPPLY-UNIT | AIR-CONDITIONING, 707-331B | 140P | | | | 66 | 2360 | 05442000 | | | |
| FANS, POWER-SUPPLY-UNIT | AIR-CONDITIONING, 707-131B | 170P | | | | 66 | 2364 | 05444000 | | | |
| FANS, POWER-SUPPLY-UNIT | AIR-CONDITIONING, 707-131B | 270P | | | | 65 | 2360 | 05446000 | | | |
| FANS, RECIRCULATING | FLOOR-HEAT, AIR-CONDITIONING, CARGO | 25.7798 | 57.4099 | 100 | .11637 | 65 | 1198 | 05448000 | | | |
| FANS, RECIRCULATING | FLOOR-HEAT, AIR-CONDITIONING, CARGO | 102.272 | 161.431 | 102 | .098 | 63 | 1114 | 05450000 | | | |
| FANS, RECIRCULATING | FLOOR-HEAT, AIR-CONDITIONING, CARGO | 110.314 | 158.6 | 50 | .12691 | 65 | 1198 | 05452000 | | | |
| FANS, RECIRCULATING | CABIN, AIR-CONDITIONING | 317.404 | 245.923 | 150 | .5671 | 65 | 1196 | 05454000 | | | |
| FANS, TURBO-ENGINE | | * | 24.1109 | 248 | .0955 | 63 | 1111 | 05456000 | | | |
| FANS, VANEAXIAL | | .152549 | .256519 | | 45.887 | 63 | 2226 | 05458000 | | | |
| FANS, VANEAXIAL | | 1.2158 | 3.23544 | | 1.645 | 64 | 2226 | 05460000 | | | |
| FANS, VANEAXIAL, 12-150 | SEARCH-RADAR, AN/APN-59 | 85.096 | 143.093 | 152 | .08228 | 66 | 1250 | 05462000 | | | |
| FANS, VENTURI-TUBE | CONTROL, CABIN-PRESSURE, AIR-CONDITION | 194.505 | 315.942 | 76 | .04113 | 66 | 1250 | 05464000 | | | |
| FANS, VENTURI-TUBE, 4-C | CONTROL, CABIN-PRESSURE | 161.812 | 323.362 | 48 | .02472 | 65 | 1227 | 05466000 | | | |
| FANS, 115VAC | CABIN-HEATER | 166.666 | 309.156 | 120 | .03 | 65 | 1215 | 05468000 | | | |
| FANS, 4-PLATE, 6IN-DIA, VEPT. | | 21.6535 | 2.6735 | 58 | .508 | 64 | 1244 | 05470000 | | | |
| 3-PHASE, 208VAC, 300CFM | | | | | | | | | | | |
| 120V-ALUMINUM | | | | | | | | | | | |
| MOTOR | ELECTRICAL-EAY, EQUIPMENT-COOLING | * | 3198.02 | | .00072 | 62 | 1700 | 05472000 | | | |
| RADIO-RACK-EXHAUST | AIR-CONDITIONING, 707-131B | 210.485 | 229.957 | 1194 | 1.0357 | 67 | 1272 | 05474000 | | | |
| RADIO-RACK-EXHAUST | AIR-CONDITIONING, 707-331B | 130P | | | | 66 | 2364 | 05476000 | | | |
| RADIO-RACK-EXHAUST | AIR-CONDITIONING, 707-331B | 170P | | | | 66 | 2364 | 05478000 | | | |
| RADIO-RACK-EXHAUST | AIR-CONDITIONING, 707-131 | 190P | | | | 66 | 2364 | 05480000 | | | |
| RADIO-RACK-EXHAUST | AIR-CONDITIONING, 707-131 | 220P | | | | 66 | 2364 | 05482000 | | | |
| RADIO-RACK-EXHAUST | AIR-CONDITIONING, 707-331 | 230P | | | | 66 | 2364 | 05484000 | | | |
| RADIO-RACK-EXHAUST | AIR-CONDITIONING, 707-331 | 310P | | | | 65 | 2364 | 05486000 | | | |
| RADIO-RACK-EXHAUST | AIR-CONDITIONING, 707-331 | 340P | | | | 66 | 2364 | 05488000 | | | |
| TURBO | OIL-COOL-SYSTEM | 173.41 | 304.393 | 40 | .0346 | 66 | 1257 | 05490000 | | | |
| TURBO | OIL-COOL-SYSTEM | 236.779 | 527.292 | 40 | .01267 | 66 | 1257 | 05492000 | | | |
| DO AXIAL | | | | | | | | | | | |
| BLOWERS, AC | | | | | | | | | | | |
| BLOWERS, 115V, 4000PS | | * | 228.206 | | .01309 | 64 | 1180 | 05494000 | | | |
| 2200RPM | | 52.0291 | 202.377 | 3 | .01922 | 64 | 1197 | 05496000 | | | |
| FANS | | | | | | | | | | | |
| FANS, AC, 200V RMS, 400PS | | * | 157.08 | | .00199 | 64 | 1180 | 05498000 | | | |
| 3-PHASE, 2250RPM | | | 1151.3 | 2 | .302 | 64 | 1197 | 05499000 | | | |
| FANS, TUBE AXIAL, 115V RMS, 400PS, 95-CU-FT/MIN | | * | 2302.6 | 1 | .001 | 63 | 1197 | 05500000 | | | |
| FANS, VANE AXIAL | | | | | | | | | | | |
| FANS, VANE AXIAL | SEARCH-RADAR, AN/APN-59, HD-150 | * | 334.194 | 4 | .00689 | 64 | 1180 | 05502000 | | | |
| FANS, VANE AXIAL | SEARCH-RADAR, AN/APN-59, HD-150 | 81.6361 | 111.253 | 200 | .23274 | 65 | 1198 | 05504000 | | | |
| FANS, VANE AXIAL | SEARCH-RADAR, AN/APN-59, HD-150 | 173.351 | 211.892 | 100 | .25382 | 65 | 1198 | 05506000 | | | |
| FANS, VANE AXIAL | SEARCH-RADAR, AN/APN-59, HD-150 | 176.136 | 224.033 | 204 | .176 | 63 | 1114 | 05508000 | | | |
| FANS, VANE AXIAL | SEARCH-RADAR, AN/APN-59, HD-150 | 383.345 | 451.769 | 100 | .16926 | 63 | 1198 | 05510000 | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
 SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1958

| PART CLASS | 121 BLOWERS AND FANS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART PERCENT | YR | CABLE |
|--------------------------|-------------------------------|------------------------|-------------|--------------|---------------------|--------------|----|---------------|
| PART DESCRIPTION | | | | | | | | |
| 05 AXIAL | | | | | | | | |
| FANS-VANE AXIAL | SEARCH-RADAR-AM/APN-59-MD-150 | AIR | 407.112 | 485.35 | 100 | 100 | 63 | 1114 05318000 |
| FANS-VANE AXIAL | SEARCH-RADAR-AM/APN-59-MD-150 | AIR | 407.112 | 46.5736 | 96 | 100 | 63 | 1114 05318000 |
| 800CPS | | | | | | | | |
| FANS-VANE AXIAL AC.115V. | | LAB | 0 | 1244.64 | 2 | 100 | 63 | 1114 05318000 |
| 800CPS | | | | | | | | |
| 05 | | | | | | | | |
| FANS-CENTRI | AL-AC.115V. | LAB | 0 | 239.854 | 3 | 100 | 63 | 1114 05318000 |
| 800CPS-56 | 3PM | | | | | | | |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1966

PART CLASS 124 RELTS

PART DESCRIPTION

100 N.O.C.

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER 90% CONF LIMIT

PART POPULATION

PART HOURS

YR OF DATA

CROSS INDEX RPT SRCE REF NO

LAF. INSTRUCTOR-SEAT. CARGO-COMPARTMENT
LAF. INSTRUCTOR-SEAT. CARGO-COMPARTMENT
SAFETY. FLIGHT-DECK
SAFETY. FLIGHT-DECK
PILOTS-SEAT
LAF. INSTRUCTOR-SEAT
LAF. INSTRUCTOR-SEAT
LAF. STUDENT-SEAT
LAF. STUDENT-SEAT
LAF. INSTRUCTOR-SEAT
LAF. INSTRUCTOR-SEAT
EJECTION-SEAT
WATER-PUMP-ENGINE. (M=MILES)
ALTERNATOR. (M=MILES)

AIR
AIR
AIR
GRD
AIR
AIR
AIR
AIR
AIR
AIR
AIR
AIR
AIR
GRD
GRD
GEN

13.0157
24.2718
30.8317
28.904
50.7246
114.077
122.516
157.521
171.115
187.298
237.502
1010.52
16.2074M
32.4412M
63.56

940874
15.6202
42.6055
42.8127
54.5869
85.2963
175.754
176.144
216.647
242.897
214.102
267.368
1155.96
63.6421M
64.83M
63.56

4752
7524
480
760
406
473
473
406
597
597
15
30
30

2.4472
4.072
.2472
.55138
.4113
.138
.08766
.11427
.11427
.08766
.51789
.51789
.095
.0617M
.1233M

65 1227 05522000
66 1230 05524000A
65 1227 05526000
66 2F 05528000
66 1250 05530000
59 1070 05532000
64 1179 05534000
65 1228 05536000
65 1228 05538000
64 1179 05540000
67 1272 05542000
67 1272 05544000
63 2130 05546000
66 1255 05548000
66 1255 05550000
61 2M 05552000

DRIVE
DRIVE
DRIVE

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 125 BLADES
PART DESCRIPTION

| FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER NO CONF LIMIT | PART POPULATION | PART LATION | HOURS | YR OF DATA | CROSS INDEX |
|--------------------------------------|-------------|--------------|---------------------|-----------------|-------------|-------|------------|-------------|
| | | | | | | | RPT | SCE REF NO |
| STATOR-COMPRESSOR-BASIC-ENGINE | AIR | * | .940874 | 4752 | 2.4473 | 65 | 1227 | 05594000 |
| STATOR-COMPRESSOR-BASIC-ENGINE | AIR | * | .565749 | 7524 | 4.07 | 65 | 1250 | 05556000 |
| PROPELLER-ASSEMBLY | AIR | * | 1.23669 | 1600 | 1.8619 | 65 | 1198 | 05598000 |
| TURBINE-SECTION-BASIC-ENGINE | AIR | * | .565749 | 7524 | 4.07 | 65 | 1250 | 05560000 |
| ROTOR-COMPRESSOR-BASIC-ENGINE | AIR | * | .565749 | 7524 | 4.07 | 65 | 1250 | 05562000 |
| PROPELLER-ASSEMBLY | AIR | * | 1.134 | 800 | 2.0205 | 65 | 1198 | 05561000 |
| WINDSHIELD-WIPER-SYSTEM | AIR | * | 9.89344 | 200 | .23274 | 65 | 1198 | 05566000 |
| STABILIZER-HORIZONTAL | AIR | * | 20.1305 | 473 | .11427 | 65 | 1228 | 05568000 |
| TURBINE-SECTION-BASIC-ENGINE | AIR | * | .940874 | 4752 | 2.4473 | 65 | 1227 | 05570000 |
| COMPRESSOR-SIXTH-STAGE-POWER-SECTION | AIR | .005633 | .021913 | 152324 | 177.51 | 65 | 1201 | 05572000 |
| COMPRESSOR-FIFTH-STAGE-POWER-SECTION | AIR | .012229 | .047567 | 70356 | 81.773 | 65 | 1201 | 05574000 |
| COMPRESSOR-THIRD-STAGE-POWER-SECTION | AIR | .013591 | .052771 | 63492 | 73.725 | 65 | 1201 | 05576000 |
| COMPRESSOR-NINTH-STAGE-POWER-SECTION | AIR | .029845 | .11609 | 42560 | 33.506 | 65 | 1201 | 05578000 |
| TURBINE-SECOND-STAGE-POWER-SECTION | AIR | .063713 | .169549 | 30464 | 31.391 | 65 | 1201 | 05580000 |
| COMPRESSOR-SIXTH-STAGE-POWER-SECTION | AIR | .063713 | .169549 | 30464 | 31.391 | 65 | 1201 | 05582000 |
| COMPRESSOR-TENTH-STAGE-POWER-SECTION | AIR | .153508 | .341251 | 24700 | 19.543 | 65 | 1201 | 05584000 |
| TURBINE-FIRST-STAGE-POWER-SECTION | AIR | .166782 | .292762 | 45696 | 35.975 | 65 | 1201 | 05586000 |
| ROTOR-COMPRESSOR-BASIC-ENGINE | AIR | .408614 | 1.58938 | 4752 | 2.4473 | 65 | 1227 | 05588000 |
| TURBINE-THIRD-STAGE-POWER-SECTION | AIR | .525527 | 1.0502 | 9620 | 7.6114 | 65 | 1201 | 05590000 |
| TURBINE-FIRST-STAGE-POWER-SECTION | AIR | .70786 | .789508 | 175032 | 203.63 | 65 | 1201 | 05592000 |
| TURBINE-FIRST-STAGE-POWER-SECTION | AIR | .724038 | .932973 | 40800 | 38.672 | 65 | 1201 | 05594000 |
| TURBINE-FIRST-STAGE-POWER-SECTION | AIR | .839871 | 1.02659 | 53656 | 52.389 | 65 | 1201 | 05596000 |
| TURBINE-FIRST-STAGE-POWER-SECTION | AIR | 2.73063 | 3.11081 | 2461 | 37.354 | 65 | 1201 | 05598000 |
| PROPELLER-HYDROMATIC | AIR | 3.33704 | 7.43136 | 600 | .899 | 63 | 1114 | 05600000 |
| STABILIZER-HORIZONTAL | AIR | 3.86182 | 10.2768 | 557 | .51789 | 67 | 1272 | 05602000 |
| PROPELLER-ASSEMBLY | AIR | 3.93197 | 7.85761 | 600 | 1.0173 | 63 | 1198 | 05604000 |
| PULL-OUT-TURBINE-POWER-SECTION | AIR | 4.86121 | 18.9086 | 260 | .20571 | 65 | 1201 | 05606000 |
| TURBINE-FIRST-STAGE-POWER-SECTION | AIR | 5.00667 | 7.90275 | 6528 | 1.7976 | 65 | 1201 | 05608000 |
| TURBINE-FIRST-STAGE-POWER-SECTION | AIR | 6.03953 | 7.43746 | 8380 | 6.7886 | 65 | 1201 | 05610000 |
| WINDSHIELD-WIPER-SYSTEM | AIR | 19.6989 | 36.5404 | 100 | .25382 | 65 | 1198 | 05612000 |
| WINDSHIELD-WIPER-SYSTEM | AIR | 28.409 | 52.6971 | 204 | .176 | 63 | 1114 | 05614000 |
| ROTOR-MAIN | HELI | 73.5294 | 286.007 | 40 | .0136 | 66 | 1257 | 05616000 |
| WINDSHIELD-WIPER-SYSTEM | AIR | 165.133 | 212.785 | 100 | .16956 | 63 | 1198 | 05618000 |
| WINDSHIELD-WIPER-SYSTEM | AIR | 167.785 | 219.538 | 100 | .149 | 63 | 1114 | 05620000 |
| BRUSH-BLOCK-HYDROMATIC-PROPELLER | AIR | 243.739 | 271.68 | 400 | .599 | 63 | 1114 | 05622000 |
| ROTOR-MAIN | HELI | 256.55 | 283.315 | 400 | .67823 | 63 | 1198 | 05624000 |
| WINDSHIELD-WIPER-SYSTEM | AIR | 276.497 | 615.741 | 40 | .01085 | 66 | 1257 | 05626000 |
| ROTOR-TAIL | AIR | 377.642 | 595.14 | 62 | .02387 | 63 | 1111 | 05628000 |
| ROTOR-MAIN | HELI | 474.508 | 702.828 | 80 | .0253 | 66 | 1257 | 05630000 |
| ROTOR-TAIL | HELI | 500 | 593.325 | 480 | .12 | 65 | 1215 | 05632000 |
| BRUSH-BLOCK-PROPELLER-ASSEMBLY | AIR | 505.78 | 639.981 | 80 | .0692 | 66 | 1257 | 05634000 |
| BRUSH-BLOCK-HYDROMATIC-PROPELLER | AIR | 556.891 | 643.279 | 200 | .50763 | 65 | 1198 | 05636000 |
| BRUSH-BLOCK-PROPELLER-ASSEMBLY | AIR | 658.862 | 773.188 | 408 | .299 | 63 | 1114 | 05638000 |
| ROTOR-MAIN | HELI | 708.945 | 761.621 | 400 | .46540 | 65 | 1198 | 05640000 |
| ROTOR-MAIN | HELI | 1106.71 | 1426.08 | 80 | .0253 | 66 | 1257 | 05642000 |

-00 N.O.C.

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NONELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 125 BLADES | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | | PART POPULATION | | PART LATION | | YR | CROSS |
|------------|------------|------------------|------------------------|-------------|--------------|---------------------|-----|-----------------|----|-------------|----------|----|-------|
| | | | | | | | | | | | | | |
| | | | | HELI | 1445.08 | 1648.47 | 30 | .0692 | 66 | 1257 | 03644000 | | |
| | | ROTOR-MAIN | | HELI | 2288.88 | 2507.1 | 360 | .09 | 65 | 1215 | 03644000 | | |
| | | ROTOR-TAIL | | AIR | 3030.3 | 8064.09 | 6 | .00066 | 62 | 1157 | 03648000 | | |
| | | ROTOR-LOWER | | | | | | | | | | | |

.00 M.G.C.

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

JANUARY 1968

PART CLASS 120 BLANKETS

PART DESCRIPTION

N.M.C.

NON-ELECTRONIC PART FAILURE RATE DATA

| FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POSITION | PART HOURS | YR OF DATA | CROSS INDEX |
|--------------------------------------|-------------|--------------|---------------------|---------------|------------|------------|---------------|
| | | | | | | | |
| INSULATION/ISOLATION-WHEEL-WELL-P80 | AIR | * | 53.1472 | 48 | .02472 | 65 | 1227 05650000 |
| ENGINE-BUILDUP-TURBOJET-J-85 | AIR | * | 3.03762 | 1892 | .45708 | 65 | 1228 05652000 |
| NOZZLE-ACTUATOR-AFTERBURNER-TURBOJET | AIR | * | 3.35846 | 2838 | .68561 | 65 | 1228 05654000 |
| INSULATION-CARGO-COMPARTMENT | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 05655000 |
| INSULATION-WHEEL-WELL-FAIRING | AIR | 1.31320 | 5.10828 | 500 | .76145 | 65 | 1198 05658000 |
| INSULATION-WHEEL-WELL-FAIRING | AIR | 2.35407 | 6.27785 | 500 | .84779 | 63 | 1198 05658000 |
| HEATER-LANDING-GEAR-MAIN | AIR | 2.83286 | 11.3189 | 408 | .353 | 63 | 1198 05658000 |
| HEATER-LANDING-GEAR-MAIN | AIR | 2.5488 | 11.3189 | 408 | .353 | 63 | 1198 05658000 |
| NOZZLE-ACTUATOR-AFTERBURNER-TURBOJET | AIR | 3.27246 | 12.7289 | 2435 | .30350 | 64 | 1179 05666000 |
| ENGINE-BUILDUP-TURBOJET-J-85 | AIR | 11.4077 | 22.757 | 1624 | .35064 | 64 | 1179 05668000 |
| INSULATION-WHEEL-WELL-FAIRING | AIR | 17.1805 | 45.736 | 100 | .11737 | 65 | 1198 05670000 |
| INSULATION | AIR | 251.256 | 559.53 | 31 | .01104 | 63 | 1111 05672000 |
| CARGO-COMPARTMENT | AIR | 24.3131 | 94.5708 | 75 | .04113 | 66 | 1250 05674000 |
| WHEEL-WELL-P80 | AIR | * | 55.2834 | 75 | .04113 | 66 | 1250 05676000 |
| INSULATION/ISOLATION | HELI | 19.7238 | 52.4881 | 320 | .1014 | 66 | 1257 05678000 |
| ENGINE-BUILDUP-TURBOJET-J-85 | HELI | 108.342 | 158.371 | 320 | .2769 | 66 | 1257 05680000 |

INSULATION/ISOLATION
ENGINE-BUILDUP
ENGINE-BUILDUP

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 120 BLOCKS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER 90 CGMF LIMIT

PART PPMU-LATION

PART HOURS

YR RPT SRC

CROSS INDEX REF NO

400 N.O.C.

| | | | | | | | | |
|---|------|---------|---------|------|--------|----|------|----------|
| DOOR-EMERGENCY-ESCAPE-HATCH-CARGO-COMPARTMENT | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 05682000 |
| SLIDE-STUDENT-SEAT | AIR | * | 10.0752 | 946 | .22854 | 65 | 1228 | 05684000 |
| SUPPORT-STABILIZING-JACK-SYSTEM | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 | 05686000 |
| DOOR-EMERGENCY-ESCAPE-HATCH-CARGO-COMPARTMENT | AIR | * | 55.9834 | 76 | .04113 | 65 | 1250 | 05688000 |
| SLIDE-STUDENT-SEAT | AIR | 2.89659 | 6.45051 | 1194 | 1.0357 | 67 | 1272 | 05690000 |
| STOP-LANDING-GEAR-MAIN | AIR | 5.70385 | 22.1862 | 812 | .17532 | 64 | 1179 | 05692000 |
| STOP-LANDING-GEAR-MAIN | AIR | 8.7512 | 23.2882 | 946 | .22854 | 65 | 1228 | 05694000 |
| SUPPORT-STABILIZING-JACK-SYSTEM | AIR | 12.158 | 32.3544 | 304 | .1645 | 66 | 1250 | 05696000 |
| STOP-LANDING-GEAR-MAIN | AIR | 22.2072 | 29.4035 | 1194 | 1.0357 | 67 | 1272 | 05698000 |
| SLIDE-INSTRUCTOR-SEAT | AIR | 35.0048 | 56.8596 | 946 | .22854 | 65 | 1228 | 05700000 |
| SLIDE-INSTRUCTOR-SEAT | AIR | 51.3347 | 81.0289 | 812 | .17532 | 64 | 1179 | 05702000 |
| BUMPER-DOOR-NOSE-LANDING-GEAR-AFT | AIR | 80.7061 | 119.886 | 288 | .14832 | 65 | 1227 | 05704000 |
| DOOR-EMERGENCY-CTR-EXIT-TOP | AIR | 81.0372 | 109.583 | 456 | .2468 | 66 | 1250 | 05706000 |
| DOOR-EMERGENCY-CTR-EXIT-TOP | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 | 05708000 |
| DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 | 05710000 |
| DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 19.7868 | 100 | 100 | .11637 | 65 | 1198 | 05712000 |
| DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 7.8796 | 30.6492 | 50 | .12691 | 65 | 1198 | 05714000 |
| DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 11.3636 | 44.2011 | 102 | .088 | 63 | 1114 | 05716000 |
| DOOR-EMERGENCY-CTR-EXIT-TOP | AIR | 23.5904 | 62.7777 | 50 | .08478 | 63 | 1198 | 05718000 |
| DOOR-EMERGENCY-CTR-EXIT-TOP | AIR | 23.5904 | 62.7777 | 50 | .08478 | 63 | 1198 | 05720000 |
| DOOR-EMERGENCY-AFT-EXIT-TOP | AIR | 26.6666 | 70.964 | 50 | .075 | 63 | 1114 | 05722000 |
| DOOR-EMERGENCY-CTR-EXIT-TOP | AIR | 26.6666 | 70.964 | 50 | .075 | 63 | 1114 | 05724000 |
| DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 26.6666 | 70.964 | 50 | .075 | 63 | 1114 | 05726000 |
| DOOR-EMERGENCY-AFT-EXIT-TOP | AIR | 35.3857 | 78.8016 | 50 | .08478 | 63 | 1198 | 05728000 |
| DOOR-EMERGENCY-AFT-EXIT-TOP | AIR | 68.7462 | 111.667 | 100 | .11637 | 65 | 1198 | 05730000 |
| DOOR-EMERGENCY-AFT-EXIT-TOP | AIR | 200 | 445.386 | 68 | .015 | 63 | 1114 | 05732000 |
| DOOR-EMERGENCY-AFT-EXIT-TOP | AIR | 299.424 | 371.812 | 50 | .12691 | 65 | 1198 | 05734000 |
| DOOR-EMERGENCY-AFT-EXIT-TOP | AIR | 409.09 | 511.114 | 102 | .088 | 63 | 1114 | 05736000 |
| MOUNT-ENGINE-W/HOW | HELL | 14.4569 | 56.2093 | 80 | .0492 | 66 | 1257 | 05738000 |
| MOUNT-ENGINE-W/HOW | HELL | 184.331 | 490.534 | 40 | .01085 | 66 | 1257 | 05740000 |
| CARGO-COMPARTMENT | AIR | * | 27.9917 | 132 | .08226 | 66 | 1250 | 05742000 |
| CARGO-COMPARTMENT | AIR | * | 46.5736 | 50 | .04944 | 65 | 1227 | 05744000 |

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

DATE: 11/11/68

2005年1月

| | | | | | |
|----------|---------|------|--------|---------|----------|
| 1.50413 | 3.34961 | 4776 | 1.3443 | 63 1301 | 63746002 |
| 1.719079 | 5.96567 | 704 | .9581 | 63 1381 | 63749002 |
| 2.77059 | 10.6312 | 244 | .3422 | 45 1207 | 63750009 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 143 CALIBRATORS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER | | PART | PART | YR | GROSS |
|------------------|-----------------|------------------------|-------------|--------------|---------|-------|--------|-------|---------|-------------|
| | | | | | 90 CONF | LIMIT | POPUL | HOURS | OF DATA | INDEX |
| PART DESCRIPTION | | | | | | | LATION | | RPT | SRCE REF NO |

•02 N.B.C.

ACS
STATIC-PRESSURE, BOMB-NAV-COMP-ASB9

AIR 14.8698 24.1537 .538 63 2117 05752000
AIR 921.273 1390.12 31 .01194 63 1111 05754000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 1-4 CANS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION HOURS | VR OF DATA INDEX | CROSS RPT SAGE REF NO |
|------------------|----------|------------------------|-------------|--------------|---------------------|-------------------|------------------|-----------------------|
| PART DESCRIPTION | | | | | | | | |
| 400 N.B.C. | | | | | | | | |

CANISTERED BRAKE-PARACHUTE AIR 167-504 445.753 31 -01194 63 1111 03756000

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

SECRET

CA 10445

FUNCTIONAL APPLICATION

10
20
30
40
50
60

Q R R
H H H
A A A

| | | | | | | |
|---------|---------|-----|--------|----|------|----------|
| * | 27.1597 | 50 | .08478 | 62 | 1198 | 32759090 |
| 42.9664 | 79.7 | 100 | .11637 | 65 | 1198 | 35760090 |
| 86.6755 | 130.786 | 50 | .12691 | 65 | 1198 | 35762000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I

PART CLASS 146 CANPIPIES

PART DESCRIPTION

.UJ N.G.C.

FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1954

| ENVIRONMENT | FAILURE RATE | UPPER SC CONF LIMIT | PART POPU- LATION | PART FIGURE | YF OF DATA REF | CROSS INDEX REF |
|-------------|--------------|---------------------------|-------------------------|----------------|----------------------|-----------------------|
| AIR | 1.93091 | 7.51066 | 597 | .1789 | 67 1272 | 05760000 |
| AIR | 262.377 | 347.402 | 406 | .08700 | 64 1179 | 05760000 |
| AIR | 280.038 | 354.797 | 473 | .11427 | 65 1228 | 05760000 |
| AIR | 451.833 | 492.088 | 597 | .51789 | 67 1272 | 05760000 |
| AIR | 754.986 | 806.306 | 597 | .51789 | 67 1272 | 05760000 |
| AIR | 787.132 | 923.637 | 405 | .08766 | 64 1179 | 05760000 |
| AIR | 840.115 | 961.026 | 473 | .11427 | 65 1228 | 05760000 |
| AIR | 1375.46 | 1442.47 | | .538 | 63 2112 | 05760000 |
| AIR | 1684.21 | 1869 | | .095 | 63 2127 | 05760000 |
| AIR | 631.578 | 749.463 | | .095 | 63 2121 | 05760000 |

SEAL

JETTISON-QUICK-DISCONNECT.
STUDENT-SEAT
INSTRUCTOR-AIRFRAME
INSTRUCTOR-AIRFRAME
STUDENT-AIRFRAME
STUDENT-AIRFRAME
STUDENT-AIRFRAME

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

JANUARY 1963

PART CLASS 161 CAPACITORS, VARIABLE

PART DESCRIPTION FUNCTIONAL APPLICATION

-GO M.O.C.

NON-ELECTRONIC PART FAILURE RATE DATA

UPPER PART YR CROSS
90 CONF PDU- OF DATA INDEX
LIMIT LATION HOURS RPT SRCE REF NO

| SAT | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART LATION | PART HOURS | YR | CROSS |
|---------|-------------|--------------|-------------|-------------|------------|----|----------------|
| LAB | | * | 11.5953 | 42 | 19858 | 66 | 1242 05784000A |
| GRD | | * | 9.31849 | 286 | 2471 | 66 | 1230 05784000A |
| SIM AIR | | * | 1.25345 | 54 | 1.637 | 65 | 1189 05784000A |
| LAB | | * | 135.447 | 264 | .017 | 64 | 1139 05790000 |
| GRD | | * | 7.5495 | 288 | .305 | 66 | 1218 05792000A |
| AIR | | * | 6.77235 | 34 | .34 | 62 | 2240 05794000 |
| GRD | | * | 22.0133 | 860 | .1046 | 62 | 1095 05796000A |
| LAB | | * | 3.65017 | 70 | .63082 | 64 | 1210 05798000 |
| SIM AIR | | * | 5.083 | 504 | .453 | 65 | 1224 05800000A |
| SHP | | * | 162.154 | 46 | .0142 | 65 | 1195 05802000A |
| SHP | | .1 | | | | U | 2001 05804000 |
| SHP | | .1 | | | | U | 2001 05806000 |
| SHP | | .15 | | | | U | 2001 05808000 |
| LAB | | .16 | | | | U | 2001 05810000 |
| SHP | | .2 | | | | U | 2001 05812000 |
| SHP | | .2 | | | | U | 2001 05814000 |
| SHP | | .22 | | | | U | 2001 05816000 |
| AIR | | .22 | | | 13.2 | U | 2001 05818000 |
| SHP | | .4 | | | | 56 | 2001 05820000 |
| SHP | | .4 | | | | U | 2001 05822000 |
| LAB | | .46 | | | | U | 2001 05824000 |
| SHP | | .5 | | | | 62 | 2240 05826000 |
| SHP | | .6 | | | | U | 2001 05828000 |
| SHP | | .6 | | | | U | 2001 05830000 |
| SHP | | .7 | | | | U | 2001 05832000 |
| SHP | | .75 | | | | U | 2001 05834000 |
| SHP | | .8 | | | | U | 2001 05836000 |
| LAB | | 1 | | | | 62 | 2240 05840000 |
| AIR | | 1.2987 | 2.89212 | | 2.31 | U | 2001 05842000 |
| GRD | | 1.3 | | | | 62 | 2240 05844000 |
| SHP | | 1.4 | | | | U | 2001 05846000 |
| AIR | | 1.8 | | | | U | 2001 05848000 |
| AIR | | 1.9 | | | | U | 2001 05850000 |
| GEN | | 2 | | | 2.09 | 56 | 2001 05852000 |
| AIR | | 4.03225 | 15.6842 | 52 | .248 | 62 | 2240 05854000 |
| AIR | | 5.8 | | | 4.77 | 57 | 2001 05856000 |
| AIR | | 21.34 | | | | U | 2001 05858000 |
| AIR | | 21.4 | | | | 58 | 2240 05860000 |
| LAB | | * | 4.35109 | | .5292 | 66 | 254 05864000A |
| AIR | | * | 6.22757 | 149 | .28 | 67 | 1267 05866000A |
| AIR | | * | 23.585 | 7 | .099 | 62 | 1094 05868000 |
| SIM AIR | | .12 | 30.7692 | 61.888 | 680 | U | 2001 05870000 |
| | | | | | .13 | 63 | 1105 05872000 |

AIR
AIR
AIR
AIR
AIR

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA
JANUARY 1968

PART CLASS 101 CAPACITORS, VARIABLE
PART DESCRIPTION FUNCTIONAL APPLICATION

UPPER PART YR
90 CONF POPU- OF DATA
LIMIT LATION HOURS RPT SRCE REF NO

100 N.G.C.

| | | | | | | | | |
|----------------------------|---------|---------|---------|--------|--------|------|-----------|-----------|
| AIR | GRD | 66.6666 | 133.225 | .06 | 63 | 2240 | 05874000 | |
| AIR-JAN-C-52 | SIM AIR | * | 6.40304 | .35961 | 65 | 1206 | 05876000A | |
| AIR-TUBULAR | GRD | 1.5 | | | 65 | 1251 | 05878000 | |
| AIR-DIELECTRIC | GEN | .13 | | | 61 | 2N1 | 05880000 | |
| CERAMIC | SIM AIR | * | 46.9918 | .049 | 63 | 1103 | 05882000A | |
| CERAMIC | | * | 2.17554 | 1.0584 | 66 | 254 | 05884000A | |
| CERAMIC | AIR | * | 41.1178 | .056 | 62 | 1093 | 05886000 | |
| CERAMIC | GRD | * | 1096.47 | .0021 | 61 | 1069 | 05888000A | |
| CERAMIC | SIM AIR | * | 2.32821 | .989 | 63 | 1108 | 05890000 | |
| CERAMIC | GRD | * | 1023.37 | .00225 | 62 | 1159 | 05892000A | |
| CERAMIC | GEN | .087 | | | 61 | 2N1 | 05894000 | |
| CERAMIC | | .087 | | | U | 2001 | 05896000 | |
| CERAMIC | LAO | .14 | | | U | 2001 | 05898000 | |
| CERAMIC | | .175032 | .349781 | 3264 | 22.853 | 64 | 1210 | 05900000 |
| CERAMIC | | .55 | | | U | 2001 | 05902000 | |
| CERAMIC-MIL-C-81. | SIM AIR | * | 14.9383 | 1817 | .15414 | 65 | 1206 | 05904000A |
| CERAMIC-50V | GRD | * | 1771.23 | 121 | .0013 | 61 | 1069 | 05906000A |
| CERAMIC-50V | GRD | * | 1162.92 | | .00198 | 64 | 1180 | 05908000 |
| CERAMIC-50V | GRD | 116.686 | 259.852 | 2100 | .02571 | 62 | 1159 | 05910000 |
| CERAMIC-50V-LT-45PIC3FARAD | GRD | * | 385.05 | | .00598 | 64 | 1180 | 05912000 |
| CERAMIC-7-45MHF | GRD | * | 133.872 | 1200 | .0172 | 63 | 1159 | 05914000A |
| CERAMIC-8/10MHF | GRD | * | 1439.12 | 100 | .0016 | 63 | 1159 | 05916000A |
| DUAL-DIFFERENTIAL | AIR END | 279.069 | 621.469 | 275 | .01075 | 65 | 1188 | 05918000 |
| ENGINE-OIL-TANK | AIR | 60P | | | | 66 | 2364 | 05920000 |
| ENGINE-OIL-TANK | AIR | 70P | | | | 65 | 2364 | 05922000 |
| ENGINE-OIL-TANK | AIR | 120P | | | | 66 | 2363 | 05924000 |
| EXTERIOR-DRAIN-TOLLET-DUMP | GRD | * | 232.116 | 2 | .00992 | 65 | 1189 | 05926000A |
| GLASS | | * | 4.35109 | | .3292 | 66 | 254 | 05928000A |
| GLASS | MSL | * | .165061 | 3759 | 13.95 | 65 | 1254 | 05930000 |
| GLASS | | * | .158712 | | 14.508 | 66 | 258 | 05932000A |
| GLASS | AIR | .1 | | | | 62 | 2240 | 05934000 |
| GLASS | | 1.1 | | | | U | 2001 | 05936000 |
| GLASS | GRD | 1.5 | | | | 63 | 1198 | 05938000 |
| GLASS | AIR | 10.7526 | 41.8247 | 37 | .093 | 62 | 1093 | 05940000 |
| GLASS | GRD | 1.5 | | | | 55 | 1251 | 05942000 |
| GLASS | GRD | .2 | | | | 65 | 1251 | 05944000 |
| GLASS-PISTON, TYPE-RVC | SIM AIR | * | 143.912 | | .016 | 63 | 1100 | 05946000 |
| GLASS-PISTON, TYPE-RVC | GRD | * | 164.471 | | .014 | 63 | 1100 | 05948000 |
| GLASS-TRIMMER | SIM AIR | * | 44.0267 | 260 | .0523 | 65 | 1159 | 05950000A |
| GLASS-TRIMMER | SIM AIR | * | 20.8003 | 876 | .1107 | 66 | 1231 | 05952000A |
| GLASS-TRIMMER | SIM AIR | * | 822.357 | 200 | .0028 | 63 | 1159 | 05954000A |
| GLASS-100V | GRD | * | 4428.97 | | .00052 | 64 | 1160 | 05956000 |
| GLASS-1250V | TRD | * | | | | 62 | 2240 | 05958000 |
| JAN-C-92 | LAB | .1 | | | | 62 | 2240 | 05960000 |
| JAN-C-92 | SHP | .13 | | | | 52 | 2240 | 05962000 |
| MIL-C-14409 | SAT | * | 9.18798 | 180 | .25067 | 66 | 1226 | 05962000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 161 CAPACITORS, VARIABLE

PART DESCRIPTION FUNCTIONAL APPLICATION

.00 N.O.C.

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION HOURS | YR OF DATA INDEX | CF 055 |
|----------------------------|------------------------------|-------------|--------------|---------------------|-------------------|------------------|----------|
| MIL-C-81 | | LAB | .003 | | | 62 2240 | 05264000 |
| MIL-C-81 | | SHP | .09 | | | 62 209 | 05966000 |
| MIL-C-81 | | LAB | .18 | | | 62 2240 | 05968000 |
| OVERWING-FUEL | FUEL.727 | AIR | .11GP | | | 66 2365 | 05970000 |
| PISTON-TYPE | | GRD | .923219 | 2.05594 | 371 | 64 1210 | 05972000 |
| PISTON-TYPE.MIL-C-81 | | GRD | * | .590986 | 564 | 64 1210 | 05974000 |
| PLASTIC | | SHP | .0004 | | | 62 2240 | 05576000 |
| PLASTIC | | GEN | .00045 | | | 61 2M1 | 05578000 |
| PLASTIC | | | .00045 | | | U 2001 | 05980000 |
| PRESS-REFUEL-DEFUEL-AD | FUEL.28L | AIR | 26CP | | | 66 2365 | 05982000 |
| PRESS-REFUEL-DEFUEL-AD | FUEL.8EC | AIR | 40CP | | | 65 2365 | 05984000 |
| PRESS-REFUEL-DEFUEL-AD | FUEL.8EC | AIR | 59CP | | | 66 2365 | 05986000 |
| SILICON-HC-7005 | | SUB | * | 44.6759 | .05154 | 64 1153 | 05988000 |
| TRIMMER-PISTON.MIL-C-81 | | SUB | * | 44.6759 | .05154 | 64 1153 | 05990000 |
| TRIMMER-PISTON.MINIATURE. | | LAB | 100 | 388.97 | .01 | 62 1273 | 05992000 |
| PANEL-MOUNT | | | | | | | |
| TRIMMER-PISTON.MINIATURE. | | LAB | 800 | 1299.47 | .01 | 62 1273 | 05994000 |
| PANEL-MOUNT | | | | | | | |
| TRIMMER-PISTON.PANEL-MOUNT | | LAB | * | 76.7533 | .03 | 62 1273 | 05996000 |
| TRIMMER-PISTON.MINIATURE. | | LAB | 400 | 799.355 | .01 | 62 1273 | 05998000 |
| PANEL-MOUNT | | | | | | | |
| TUNING | COMM/ICENT/NAVIGATION-SYSTEM | SIM GRD AIR | * | 91.9201 | .02505 | 64 1181 | 06000000 |
| VACUUM | | GEN | 3 | | | J 2001 | 06002000 |
| VACUUM | | SHP | 3.08 | | | 61 2M1 | 06004000 |
| VACUUM | | | 3.08 | | | 62 2240 | 06006000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 162 CARBOURETORS

PART DESCRIPTION FUNCTIONAL APPLICATION

•UQ N.B.C.

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | PART HOURS | VR | SE DATA INDEX | CRSS |
|--------------------|--------------|---------------------|-------------|------------|---------|---------------|------|
| AIR | 27.7777 | 20.0226 | | .115 | 61 1084 | 06008000 | |
| AIR GND | 27.9 | 61.8552 | | .109 | 59 212 | 06010000 | |
| AIR | 279 | | | | 57 211 | 06012000 | |
| AIR GND | 1268.69 | 1372.66 | 126 | .11597 | 61 212 | 06014000 | |
| AIR | 2287.03 | 2424.31 | | .216 | 61 1155 | 06016000 | |
| POWER-PLANT ENGINE | | | | | 63 2109 | 06013000 | |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1966

PART CLASS 163 CARRIAGES

PART DESCRIPTION FUNCTIONAL APPLICATION

00 N.O.L.

| ENVIRONMENT | FAILURE RATE | UPPER 95 CONF LIMIT | PART POPULATION | PART HOURS | YR RPT | GROSS DATA INDEX |
|-------------|--------------|---------------------------|--------------------|---------------|-----------|---------------------|
| | | | | | | |
| AIR | * | 5.17484 | 864 | .44456 | 65 | 1227 06020002 |
| AIR | * | 1.41333 | 1400 | 1.6292 | 65 | 1198 06022003 |
| AIR | * | 2.38742 | 1728 | .88992 | 65 | 1227 06024004 |
| AIR | * | 1.54001 | 700 | 1.1869 | 65 | 1198 06026005 |
| AIR | * | 1.25599 | 700 | 1.7767 | 63 | 1198 06028006 |
| AIR | * | 3.11162 | 1368 | .74 | 66 | 1250 06030007 |
| AIR | * | 1.55311 | 2736 | 1.482 | 66 | 1250 06032008 |

FAIRING
FLAP

FAIRING-WING-FLAP-SYSTEM
FLAP-WING
FLAP-WING
FLAP-WING
FLAP-WING
WING-FLAP-SYSTEM
WING

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1
FAILURE RATE DATA

MECHANISMS PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 1-4 CASES

PART DESCRIPTION

-0J N.O.C.

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER 90 CONF LIMIT

PART POPULATION

PART LATION HOURS

YR OF DATA

CRO'S RPT SRCE REF NO

| | | | | | | | | |
|--|-------------|---------|---------|------|--------|----|------|----------|
| TRANSMITTER-LIAISON-RADIO-ARC-58 | AIR | * | 192.847 | 31 | .01194 | 63 | 1111 | 06034000 |
| EXHAUST-BASIC-ENGINE | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 | 06035000 |
| REAR-COMPRESSOR-FRONT-BASIC-ENGINE | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 | 06036000 |
| FIRE-CONTROL-RADAR | SIM GRD AIR | * | 82.9765 | 195 | .02775 | 64 | 1191 | 06040000 |
| FORWARD-COMPRESSOR-FRONT-BASIC-ENGINE | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 | 06042000 |
| TURBINE-SECTION-BASIC-ENGINE | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 | 06044000 |
| INLET-COMPRESSOR-SECTION-BASIC-ENGINE | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 | 06046000 |
| TURBINE-SECTION-BASIC-ENGINE | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 | 06048000 |
| INTERMEDIATE-COMPRESSOR-BASIC-ENGINE | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 | 06050000 |
| INNER-COMBUSTION-SECTION-BASIC-ENGINE | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 | 06052000 |
| STRAINER-FUEL-FILTRATION | AIR | * | 10.0752 | 946 | .22854 | 65 | 1228 | 06054000 |
| INLET-COMPRESSOR-SECTION-BASIC-ENGINE | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 | 06056000 |
| INTERMEDIATE-COMPRESSOR-BASIC-ENGINE | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 | 06058000 |
| OUTER-COMBUSTION-SECTION-BASIC-ENGINE | AIR | * | 11.6434 | 384 | .19775 | 65 | 1227 | 06060000 |
| EXHAUST-BASIC-ENGINE | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 | 06062000 |
| REAR-COMPRESSOR-FRONT-BASIC-ENGINE | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 | 06064000 |
| INNER-COMBUSTION-SECTION-BASIC-ENGINE | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 | 06066000 |
| REDUCTION-GEAR-REAR | AIR | 1.00273 | 2.66848 | 1716 | 1.9945 | 65 | 1221 | 06068000 |
| COMBUSTION-CHAMBER-ENGINE | AIR | 1.30895 | 5.09143 | 1984 | .76397 | 65 | 1111 | 06070000 |
| COMPRESSOR-POWER-SECTION | AIR | 2.83525 | 11.0286 | 448 | .35269 | 65 | 1201 | 06072000 |
| OUTER-COMBUSTION-SECTION-BASIC-ENGINE | AIR | 3.03951 | 11.8227 | 608 | .329 | 66 | 1250 | 06074000 |
| GEARBOX-ACCESSORY-DRIVE-AIRFRAME-MOUNT | AIR | 4.3756 | 17.0197 | 946 | .22854 | 65 | 1228 | 06076000 |
| TURBINE-INLET-POWER-SECTION | AIR | 4.86121 | 18.9086 | 260 | .20571 | 65 | 1201 | 06078000 |
| REDUCTION-GEAR-REAR | AIR | 5.37239 | 11.9639 | 708 | .55841 | 65 | 1201 | 06080000 |
| STRAINER-FUEL-FILTRATION | AIR | 5.70385 | 22.1962 | 812 | .17532 | 64 | 1179 | 06082000 |
| ACCESSORY-GEAR-BASIC-ENGINE | AIR | 6.07902 | 23.6455 | 304 | .1645 | 66 | 1250 | 06084000 |
| ACCESSORY-GEAR-BASIC-ENGINE | AIR | 10.1132 | 35.3375 | 192 | .09888 | 65 | 1227 | 06086000 |
| STRAINER-FUEL-FILTRATION | AIR | 11.5863 | 17.1686 | 1194 | 1.0357 | 67 | 1232 | 06088000 |
| ACCESSORY-DRIVE-AIRFRAME-MOUNT | AIR | 15.4484 | 21.6777 | 1194 | 1.0357 | 67 | 1232 | 06090000 |
| GEARBOX-ACCESSORY-DRIVE-AIRFRAME-MOUNT | AIR | 17.1115 | 38.1063 | 812 | .17532 | 64 | 1179 | 06092000 |
| FUEL-FILTER | AIR | 36.7536 | 220.754 | 64 | .01762 | 65 | 1201 | 06094000 |
| SEXTANT-FLIGHT-INSTRUMENT | AIR | 83.752 | 325.77 | 31 | .01194 | 63 | 1111 | 06096000 |
| MAP-STUDENT-COMPARTMENT | AIR | 166.272 | 226.678 | 473 | .11427 | 65 | 1228 | 06098000 |
| MAP-INSTRUCTOR-COMPARTMENT | AIR | 175.024 | 236.677 | 473 | .11427 | 65 | 1228 | 06100000 |
| MAP-INSTRUCTOR-COMPARTMENT | AIR | 182.523 | 256.121 | 406 | .08766 | 64 | 1175 | 06102000 |
| GEAR-ANTENNA-TOSS-8GMB-COMPUTER | SIM GRD AIR | 216.216 | 379.535 | 195 | .02775 | 64 | 1181 | 06104000 |

NGNELECTRONIC PART FAILURE RATE DATA

PART CLASS 164 CASES

PART DESCRIPTION

U.S.C.

[illegible]

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

PART CLASS 145 CATAPULTS

PART DESCRIPTION FUNCTIONAL APPLICATION

.02 N-B-C.

ROMELECTRONIC PART FAILURE RATE DATA JANUARY 1969

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX RPT SRCE REF NO |
|-------------|--------------|---------------------|-----------------|------------|------------|-----------------------------|
| AIR | * | 10.0752 | 946 | .22854 | 65 | 1226 04174000 |
| AIR | 11.4077 | 30.3576 | 812 | .17532 | 64 | 1171 06176000 |
| AIR | 54.0697 | 64.5557 | 1194 | 1.0357 | 57 | 1272 06178000 |
| AIR | 963.355 | 1583.62 | 32 | .0083 | 66 | 1225 06180000 |
| AIR | 1379.18 | 1456.37 | | .538 | 63 | 2112 06182000 |

MS-EJECTION-SYSTEM
MS-EJECTION-SYSTEM
MS-EJECTION-SYSTEM
NOSE-LANDING-GEAR
SEAT

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

| PART CLASS | 166 CHAMBERS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|--------------------------------------|--------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| -00 M.G.C. | | | | | | | | | |
| COMBUSTION-SECTION-BASIC-ENGINE | AIR | | | * | 2.91085 | 1536 | .79104 | 65 | 1227 06184000 |
| COMBUSTION-SECTION-BASIC-ENGINE | AIR | | | .755858 | 2.94006 | 2432 | 1.323 | 66 | 1250 06186000 |
| COMBUSTION-LINER-GTC-AUX-POWER-PLANT | AIR | | | 8.59328 | 33.442 | 100 | .11637 | 65 | 1198 06188000 |
| COMBUSTION-LINER-GTC-AUX-POWER-PLANT | AIR | | | 34.0909 | 75.5181 | 102 | .098 | 63 | 1114 06190000 |
| COMBUSTION-POWER-SECTION | AIR | | | 38.9896 | 83.1699 | 260 | .20371 | 65 | 1201 06192000 |
| COMBUSTION-LINER-GTC-AUX-POWER-PLANT | AIR | | | 66.6666 | 123.662 | 50 | .075 | 63 | 1114 06194000 |
| COMBUSTION-LINER-GTC-AUX-POWER-PLANT | AIR | | | 70.7714 | 124.226 | 50 | .08478 | 63 | 1198 06196000 |
| COMBUSTION-LINER-GTC-AUX-POWER-PLANT | AIR | | | 70.9163 | 111.937 | 31 | .12691 | 65 | 1198 06198000 |
| CAMERA-DATA-BOMBING-SYSTEM | AIR | | | 83.352 | 325.77 | 31 | .01194 | 63 | 1111 06200000 |
| (M-MILES) | GRD | | | 16.20744 | 63.04214 | 15 | .06174 | 66 | 1255 06202000 |
| WATER-INJECTION-SYSTEM | AIR | | | 20.9424 | 81.4396 | 124 | .04775 | 63 | 1111 06204000 |
| PLENUM-EXHAUST | GRD | | | 1.66666C | 4.43525C | | 1.2C | 62 | 1136 06206000 |
| 2/5-SEC-CYCLE | | | | | | | | | |
| THRUST-HYDROGEN-PEROXIDE | | | | | | | | | |
| THRUS | AIR | GTC-AUX-POWER-PLANT | | * | 19.7868 | 100 | .11637 | 65 | 1198 06208000 |
| THRUS | AIR | GTC-AUX-POWER-PLANT | | * | 27.1597 | 50 | .08478 | 63 | 1198 06210000 |
| THRUS | AIR | GTC-AUX-POWER-PLANT | | * | 18.1435 | 50 | .12691 | 65 | 1198 06212000 |

KOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

JANUARY 1968

PART CLASS 167 CHANNELS

PART DESCRIPTION

W.C. N.G.C.

NON-ELECTRONIC PART FAILURE RATE DATA

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | | PART LATION | PART HOURS | YR OF DATA | CRSS INDEX |
|------------------------------------|------------------------|-------------|--------------|-------------|------|-------------|------------|------------|---------------|
| | | | | 90 | CONF | | | | |
| | | | | LIMIT | | | | RPT | SRCE REF N9 |
| TAKEOFF-ASSIST-SYSTEM | | AIR | * | 2.452 | 800 | | .93907 | 65 | 1198 06214000 |
| TIE-DOWN-STORAGE-CARGO-COMPARTMENT | | AIR | * | 11.1939 | 380 | | .2057 | 65 | 1250 06216000 |
| TIE-DOWN-STORAGE-CARGO-COMP | | AIR | * | 18.6294 | 240 | | .1236 | 65 | 1227 06218000 |
| TAKEOFF-ASSIST-SYSTEM | | AIR | .584931 | 3.83108 | 400 | | 1.0153 | 65 | 1198 06220000 |
| PITCH-CONTROL | | AIR | 326.523 | 515.083 | | | .02758 | 66 | 2131 06222000 |
| AUTO-FLIGHT | | AIR | 490 | | | | | 66 | 2380 06224000 |
| AUTO-FLIGHT | | AIR | 740 | | | | | 66 | 2380 06226000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 168 CHUTES | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART MEURS | YR RPT | CROSS OF DATA INDEX |
|------------------------------------|------------|------------------------|-------------|--------------|---------------------|-------------------|------------|--------|---------------------|
| DRAG | | | AIR | 428.571 | 954.4 | | .007 | 61 | 1082 06228000 |
| EJECTION-EXPENDED- | | | AIR GND | 6500 | 9478.97 | | .002 | 57 | 212 06230000 |
| AMMUNITIONS | | | AIR | * | 23.1719 | | .09937 | 63 | 1123 06232000 |
| FEED-AMMO | | GUN-TURRET | AIR | 1130.89 | 1354.81 | 124 | .04715 | 63 | 1111 06234000A |
| FEED-AMMO-FIXED-AFT-R/H-L/H | | | AIR | * | 23.1719 | | .09937 | 63 | 1123 06236000A |
| FEED-AMMO-FIXED-FORWARD-R/H-L/H | | | AIR | * | 23.1719 | | .09937 | 63 | 1123 06238000 |
| FEED-AMMO-FLEXIBLE-AFT-R/H-L/H | | | AIR | * | 23.1719 | | .09937 | 63 | 1123 06240000A |
| FEED-AMMO-FLEXIBLE-FORWARD-R/H-L/H | | | AIR | * | 23.1719 | | .09937 | 63 | 1123 06242000 |
| LINK-EJECTION | | GUN-TURRET | AIR | 167.539 | 272.14 | 124 | .04775 | 63 | 1111 06244000A |
| PARACHUTES | | | AIR | 899.628 | 954.25 | | .338 | 63 | 2112 06246000 |
| PARACHUTES-BRAKE | | | AIR | 26.023 | 32.1502 | 186 | .01162 | 63 | 1111 06248000 |
| PARACHUTES-DROGUE | | | AIR | 251.256 | 52.004 | | .15371 | 63 | 1123 06250000 |
| PARACHUTES-DROGUE-PAIR | | | AIR | * | 559.53 | 31 | .01194 | 63 | 1111 06252000 |
| PARACHUTES-DROGUE-PERSONNEL | | | AIR | * | 95.5435 | | .0241 | 66 | 1263 06254000 |
| PARACHUTES-SEAT-DROGUE | | | AIR | 98.2095 | 33.7921 | | .06814 | 63 | 1123 06256000 |
| | | | AIR | * | 143.215 | | .13237 | 66 | 1241 06258000 |
| | | | AIR | * | 33.7921 | | .06814 | 63 | 1123 06260000 |

.00 N.B.C.

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 183 CBILS, MECHANICAL | UPPER 90 CONF LIMIT | PART POPULATION | YR OF DATA INDEX | CROSS |
|-----------------------|------------------------------|---------------------------|--------------------|---------------------|-------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | ENVIRONMENT | PART HOURS | RPT SRCE REF NO |
| .00 N.O.C. | | | | | |
| | RADIO-ALTIMETER-SUBSYSTEM | 6.8844 | AIR | 29051 | 62 2322 06262000 |
| | ASTRO-TRACKER-SUBSYSTEM | 14.0884 | AIR | 97098 | 62 2322 06264000 |
| | SEARCH-RADAR-SUBSYSTEM | 20.1626 | AIR | 74395 | 62 2322 06266000 |
| | STABILIZATION-SUBSYSTEM | 29.9625 | AIR | 29700 | 62 2322 06268000 |
| | DOPPLER-RADAR-SUBSYSTEM | 37.4946 | AIR | 1-1735 | 62 2322 06270000 |
| AUXILIARY-POWER-UNIT- | AIRBORNE-AUXILIARY-POWER-727 | 220P | AIR | 66 2365 | 06272000 |
| .10 CONDENSING | | | | | |
| | | 351687 | | 6.5473 | 62 2221 06274000 |
| | | 1.5499 | GRD | 1.9356 | 64 2221 06276000 |
| | | 1.58805 | | 1.2594 | 65 1216 06278000A |
| | | 1.65167 | | 9.0817 | 63 2221 06280000 |
| | | 1.94855 | | 4.5188 | 63 2221 06282000 |
| | EQUIPMENT/FURNISHINGS-727 | 180P | AIR | 66 2360 | 06284000 |
| GALLEY | EQUIPMENT-FURNISHINGS-727 | 330P | AIR | 66 2363 | 06286000 |
| GALLEY | EQUIPMENT-FURNISHINGS-727 | 350P | AIR | 66 2363 | 06288000 |
| GALLEY | EQUIPMENT-FURNISHINGS-727 | 370P | AIR | 66 2380 | 06290000 |
| UNIT-GALLEY | EQUIPMENT/FURNISHINGS-727 | 200P | AIR | 66 2365 | 06292000 |
| UNIT-GALLEY | EQUIPMENT/FURNISHINGS-727 | 300P | AIR | 65 2365 | 06294000 |
| UNIT-GALLEY | EQUIPMENT/FURNISHINGS-727 | 430P | AIR | 66 2365 | 06296000 |
| .20 COOLING | | | | | |
| WATER | | .016 | | 62.501 | 62 2221 06298000 |
| .30 HEATING | | | | | |
| | | .794029 | GRD | 1.2594 | 65 1216 06300000A |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 184 COMPRESSORS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA INDEX | CROSS REF NO |
|------------|----------------------------|-----------------------------|------------------------|-------------|--------------|---------------------|-------------------|------------|------------------|---------------|
| .00 M.G.C. | | RAIN-REPELLANT-SYSTEM | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 06302000 |
| | | RADAR-BEACCN.APH-69 | | AIR | * | 192.847 | 31 | .01194 | 63 | 1111 06304000 |
| | | RAIN-REPELLANT-SYSTEM | | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 06306000 |
| | | | | AIR | | 442.028 | | .138 | 59 | 1070 06308000 |
| | | GAS-TURBINE-AUX-POWER-PLANT | | AIR | | 533.333 | 866.313 | .015 | 63 | 1114 06310000 |
| | | GAS-TURBINE-AUX-POWER-PLANT | | AIR | | 713.242 | 824.43 | .11637 | 65 | 1198 06312000 |
| | | GAS-TURBINE-AUX-POWER-PLANT | | AIR | | 1034.09 | 1187.34 | .088 | 63 | 1114 06314000 |
| | | GAS-TURBINE-AUX-POWER-PLANT | | AIR | | 1205.57 | 1340.33 | .12691 | 65 | 1198 06316000 |
| | | GAS-TURBINE-AUX-POWER-PLANT | | AIR | | 1981.59 | 2192.25 | .08478 | 63 | 1198 06318000 |
| | | GAS-TURBINE-AUX-POWER-PLANT | | AIR | | 2093.33 | 2324.1 | .075 | 63 | 1114 06320000 |
| | | AIR-CONDITIONING-DC8-21/51 | | AIR | | 290.392P | 362.813P | .12397P | 66 | 2380 06322000 |
| | | DC-8 | | AIR | | 400 | | | 66 | 2380 06324000 |
| | | AIR-CONDITIONING-8720 | | AIR | | 770 | | | 66 | 2380 06326000 |
| | | AIR-CONDITIONING-L-188 | | AIR | | 960 | | | 66 | 2380 06330000 |
| | | AIR-CONDITIONING-CV-440 | | AIR | | 370 | | | 66 | 2380 06332000 |
| | AIR-CONDITIONING-DC8-21/51 | | AIR | | 371.027P | 491.261P | .06199P | 66 | 2400 06334000 | |
| | | | AIR | | 700P | | | 65 | 2330 06336000 | |
| | | | AIR | | 150P | | | 66 | 2365 06338000 | |
| | | WATER/WASTE-88C | | AIR | | 160P | | 65 | 2365 06340000 | |
| | | WATER/WASTE-88C | | AIR | | 170P | | 66 | 2363 06342000 | |
| | | WATER/WASTE-88C | | AIR | | 300P | | 66 | 2360 06344000 | |
| | | WATER/WASTE-88C | | AIR | | 470P | | 66 | 2365 06346000 | |
| | | WATER/WASTE-88C | | AIR | | 580P | | 66 | 2360 06348000 | |
| | | | | | .516636 | 2.00955 | | 1.9356 | 63 2222 06350000 | |
| | | | | RR | 1.87899 | 3.15963 | | 3.7254 | 62 2222 06352000 | |
| | | | | RR | 2.17691 | 3.43613 | | 4.1343 | 63 2222 06354000 | |
| | | | | | 3.47826 | 13.5293 | | .2875 | 62 2222 06356000 | |
| | | | | LAB | 4.09905 | 5.69192 | | 4.1473 | 63 2222 06358000 | |
| | | | | | 4.45156 | 17.3152 | | .22464 | 63 2222 06360000 | |
| | | | | | 5.04619 | 7.35888 | | 2.5762 | 62 2222 06362000 | |
| | | | | | 5.0909 | 6.07859 | | 11.0 | 62 2222 06364000 | |
| | | | | | 5.95399 | 8.98411 | | 1.8475 | 63 2222 06366000 | |
| | | | | | 8.26719 | 32.1565 | | .12096 | 63 2222 06368000 | |
| | | | | | 13.7777 | 16.3026 | | 4.5 | 58 2222 06370000 | |
| | | | | | 29.7796 | 43.4277 | | .43654 | 63 2222 06372000 | |
| | | | | | * | 491.321 | | .00463 | 64 1080 06374000 | |
| | | | | GRD | | | | .01188 | 62 2320 06376000 | |
| | | | | AIR GND | 673.4 | 1093.82 | | | | |
| | | AIR-CONDITIONING-SYSTEM | | | | | | | | |
| | | | | AIR | 80P | | | | 66 | 2365 06378000 |
| | | AIR-CONDITIONING-880 | | AIR | 90P | | | | 66 | 2361 06380000 |
| | | AIR-CONDITIONING-707-331 | | AIR | 90P | | | | 65 | 2361 06382000 |
| | | AIR-CONDITIONING-707-331 | | AIR | 90P | | | | 66 | 2361 06384000 |
| | | AIR-CONDITIONING-707-331B | | AIR | | | | | 65 | 2362 06386000 |
| | | AIR-CONDITIONING-707-131 | | AIR | 100P | | | | 65 | 2362 06388000 |
| | | AIR-CONDITIONING-707-131B | | AIR | 110P | | | | 65 | 2362 06390000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 184 COMPRESSORS | | | | UPPER 90 CONF LIMIT | PART POPULATION | PART LATION HOURS | YR OF DATA INDEX | CROSS RPT SRCE REF NO |
|------------------|----------------------------|-------------|--------------|---------|---------------------|-----------------|-------------------|------------------|-----------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | | | | | | |
| -00 M-9-C. | | | | | | | | | |
| TURBO | AIR-CONDITIONING-707-331 | AIR | 110P | | | | | 66 2364 | 06390000 |
| TURBO | AIR-CONDITIONING-707-331B | AIR | 130P | | | | | 66 2364 | 06392000 |
| TURBO | AIR-CONDITIONING-707-131B | AIR | 130P | | | | | 66 2364 | 06394000 |
| TURBO | AIR-CONDITIONING-707-131B | AIR | 130P | | | | | 66 2364 | 06396000 |
| TURBO | AIR-CONDITIONING-707-331B | AIR | 140P | | | | | 66 2361 | 06398000 |
| TURBO | AIR-CONDITIONING-707-131 | AIR | 150P | | | | | 66 2364 | 06400000 |
| TURBO | AIR-CONDITIONING-707-131B | AIR | 150P | | | | | 66 2362 | 06402000 |
| TURBO | AIR-CONDITIONING-707-131 | AIR | 150P | | | | | 66 2361 | 06404000 |
| TURBO | AIR-CONDITIONING-707-131 | AIR | 160P | | | | | 66 2362 | 06406000 |
| TURBO | AIR-CONDITIONING-331C/373C | AIR | 160P | | | | | 66 2360 | 06408000 |
| TURBO | AIR-CONDITIONING-331C/373C | AIR | 170P | | | | | 66 2360 | 06410000 |
| TURBO | AIR-CONDITIONING-331C/373C | AIR | 170P | | | | | 66 2365 | 06412000 |
| TURBO | AIR-CONDITIONING-707-331B | AIR | 180P | | | | | 55 2362 | 06414000 |
| TURBO | AIR-CONDITIONING-707-131B | AIR | 200P | | | | | 66 2361 | 06416000 |
| TURBO | AIR-CONDITIONING-707-131 | AIR | 230P | | | | | 66 2364 | 06418000 |
| TURBO | AIR-CONDITIONING-707-331 | AIR | 230P | | | | | 65 2362 | 06420000 |
| TURBO | AIR-CONDITIONING-707-131B | AIR | 230P | | | | | 66 2361 | 06422000 |
| TURBO | AIR-CONDITIONING-707-131 | AIR | 230P | | | | | 65 2364 | 06424000 |
| TURBO | AIR-CONDITIONING-707-331B | AIR | 260P | | | | | 66 2361 | 06426000 |
| TURBO | AIR-CONDITIONING-707-331 | AIR | 270P | | | | | 65 2364 | 06428000 |
| TURBO | AIR-CONDITIONING-707-331B | AIR | 280P | | | | | 65 2364 | 06430000 |
| TURBO | AIR-CONDITIONING-707-131B | AIR | 310P | | | | | 65 2361 | 06432000 |
| TURBO | AIR-CONDITIONING-707-331 | AIR | 310P | | | | | 66 2362 | 06434000 |
| TURBO | AIR-CONDITIONING-707-331 | AIR | 310P | | | | | 65 2364 | 06436000 |
| TURBO | AIR-CONDITIONING-331C/373C | AIR | 340P | | | | | 66 2363 | 06438000 |
| TURBO | AIR-CONDITIONING-331C/373C | AIR | 340P | | | | | 66 2365 | 06440000 |
| TURBO | AIR-CONDITIONING-707-331B | AIR | 340P | | | | | 66 2364 | 06442000 |
| TURBO | AIR-CONDITIONING-880 | AIR | 380P | | | | | 66 2360 | 06444000 |
| TURBO | AIR-CONDITIONING-707-331B | AIR | 400P | | | | | 66 2360 | 06446000 |
| TURBO | AIR-CONDITIONING-707-331 | AIR | 420P | | | | | 66 2362 | 06448000 |
| TURBO | AIR-CONDITIONING-707-131 | AIR | 440P | | | | | 66 2364 | 06450000 |
| TURBO | AIR-CONDITIONING-707-131 | AIR | 460P | | | | | 65 2361 | 06452000 |
| TURBO | AIR-CONDITIONING-707-331B | AIR | 470P | | | | | 66 2362 | 06454000 |
| TURBO | AIR-CONDITIONING-707-131B | AIR | 490P | | | | | 65 2362 | 06456000 |
| TURBO | AIR-CONDITIONING-331C/373C | AIR | 620P | | | | | 66 2362 | 06458000 |
| TURBO | AIR-CONDITIONING-880 | AIR | 650P | | | | | 65 2360 | 06460000 |
| TURBO | AIR-CONDITIONING-880 | AIR | 750P | | | | | 66 2360 | 06462000 |
| TURBO | AIR-CONDITIONING-880 | AIR | 900P | | | | | 66 2363 | 06464000 |
| TURBO | AIR-CONDITIONING-880 | AIR | 960P | | | | | 65 2363 | 06466000 |
| TURBO | AIR-CONDITIONING-880 | AIR | 1060P | | | | | 65 2365 | 06468000 |
| TURBO | AIR-CONDITIONING-880 | AIR | 1210P | | | | | 66 2365 | 06470000 |
| TURBO | AIR-CONDITIONING-880 | AIR | 145.247 | 471.718 | | | | 66 2363 | 06472000 |
| TURBO | CABIN-AIR-CONDITIONING | AIR | 497.266 | 537.404 | 150 | 1.1332 | | 65 1196 | 06474000 |
| TURBO | AIR-CONDITIONING | AIR | 497.266 | 537.404 | 150 | .5671 | | 65 1196 | 06476000 |

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| Year | Number of cases | Number of deaths | Number of survivors |
|------|-----------------|------------------|---------------------|
| 1990 | 100 | 10 | 90 |
| 1991 | 110 | 11 | 99 |
| 1992 | 120 | 12 | 108 |
| 1993 | 130 | 13 | 117 |
| 1994 | 140 | 14 | 126 |
| 1995 | 150 | 15 | 135 |
| 1996 | 160 | 16 | 144 |
| 1997 | 170 | 17 | 153 |
| 1998 | 180 | 18 | 162 |
| 1999 | 190 | 19 | 171 |
| 2000 | 200 | 20 | 180 |
| 2001 | 210 | 21 | 189 |
| 2002 | 220 | 22 | 198 |
| 2003 | 230 | 23 | 207 |
| 2004 | 240 | 24 | 216 |
| 2005 | 250 | 25 | 225 |
| 2006 | 260 | 26 | 234 |
| 2007 | 270 | 27 | 243 |
| 2008 | 280 | 28 | 252 |
| 2009 | 290 | 29 | 261 |
| 2010 | 300 | 30 | 270 |
| 2011 | 310 | 31 | 279 |
| 2012 | 320 | 32 | 288 |
| 2013 | 330 | 33 | 297 |
| 2014 | 340 | 34 | 306 |
| 2015 | 350 | 35 | 315 |
| 2016 | 360 | 36 | 324 |
| 2017 | 370 | 37 | 333 |
| 2018 | 380 | 38 | 342 |
| 2019 | 390 | 39 | 351 |
| 2020 | 400 | 40 | 360 |
| 2021 | 410 | 41 | 369 |
| 2022 | 420 | 42 | 378 |
| 2023 | 430 | 43 | 387 |
| 2024 | 440 | 44 | 396 |
| 2025 | 450 | 45 | 405 |
| 2026 | 460 | 46 | 414 |
| 2027 | 470 | 47 | 423 |
| 2028 | 480 | 48 | 432 |
| 2029 | 490 | 49 | 441 |
| 2030 | 500 | 50 | 450 |

CROSS

FUNCTIONAL APPLICATION

[illegible]

| Fig. 6 | no. of 100- μ m-diam. cells | 10^3 μ m ² area | \bar{x} (log ₁₀ μ m ²) | log ₁₀ \bar{x} (SD) | df |
|--------|---------------------------------|----------------------------------|---|----------------------------------|----|
| 1 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 2 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 3 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 4 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 5 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 6 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 7 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 8 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 9 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 10 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 11 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 12 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 13 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 14 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 15 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 16 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 17 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 18 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 19 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 20 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 21 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 22 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 23 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 24 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 25 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 26 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 27 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 28 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 29 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 30 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 31 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 32 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 33 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 34 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 35 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 36 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 37 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 38 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 39 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 40 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 41 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 42 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 43 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 44 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 45 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 46 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 47 | 1 | 0.0000000000 | 0.0000000000 | 0.0000000000 | 1 |
| 48 | 1 | 0.0000000000 | 0.0000000 | | |

65 1215 06490000

[illegible]

| | .666061 | 1.61281 | 3.3 | 61 2222 06482000 |
|----------------------------|---------|---------|--------|-------------------|
| | 1.97 | | | 62 2222 06483000 |
| | 12.5445 | 23.2693 | .39858 | 62 2222 06486000 |
| GRD | 12.7044 | 17.9272 | 1.2594 | 65 1216 06489000A |
| AIR | 14.4657 | 18.6401 | 1.9356 | 64 2222 06490000 |
| | 21.8016 | 40.4458 | .22934 | 62 2222 06492000 |
| RADAR-PRESSURE-SYSTEM.MA-2 | 25.7798 | 57.4095 | .11637 | 65 1198 06494000 |
| RADAR-PRESSURE-SYSTEM.MA-2 | 40 | 85.0773 | .075 | 63 1114 06495000 |
| RADAR-PRESSURE-SYSTEM.MA-2 | 45.4545 | 90.8357 | .088 | 63 1114 06498000 |
| RADAR-PRESSURE-SYSTEM.MA-2 | 47.1809 | 54.2857 | .08478 | 63 1198 06500000 |
| RADAR-PRESSURE-SYSTEM.MA-2 | 66.6666 | 259.313 | .015 | 63 1114 06502000 |
| RADAR-PRESSURE-SYSTEM.MA-2 | 86.6755 | 130.786 | .12691 | 65 1198 06504000 |
| CABIN | 991.735 | 1216.14 | .04235 | 64 1144 06505000A |
| F/A-STARTER | 5536.84 | 5858.94 | .095 | 63 2121 06508000 |
| | 3600 | 4951.26 | .005 | 59 1110 06510000 |
| 4-STAGE.HYD-MOTDR-DRIVE | 429.418 | 1023.09 | .00653 | 66 1240 06512000A |

51.

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 185 COMPENSATORS

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|-----------------------|---------------------------------|-------------|--------------|---------------------|-------------------|------------|------------|---------------|
| FUEL-QUANTITY | AIR | AIR | 604.608 | 725.593 | 406 | .08746 | 64 | 1179 06514000 |
| FUEL-QUANTITY-RES-104 | AIR | AIR | 761.354 | 877.01 | 473 | .11427 | 65 | 1228 06516000 |
| MACH-TRIM | COMPASS-ADAPTER-AJB-7-BOMB-COMP | AIR | 775.581 | 986.486 | | .03997 | 65 | 1188 06518000 |
| MACH-TRIM | AIR | AIR | 838.015 | 891.043 | 597 | .51789 | 67 | 1272 06520000 |
| MACH-TRIM | AIR | AIR | 1341.16 | 1542.37 | | .06636 | 65 | 1188 06522000 |
| MACH-TRIM | ENGINE-INSTRM | AIR | 36.521 | 45.9344 | 800 | .93097 | 65 | 1198 06524000 |
| MACH-TRIM | FUEL-707-1318 | AIR | 66.9774 | 80.6737 | 300 | .76145 | 65 | 1198 06526000 |
| MACH-TRIM | AIR | AIR | 70P | | | | 66 | 2364 06528000 |
| MACH-TRIM | AIR | AIR | 202.265 | 375.19 | 48 | .02472 | 65 | 1227 06530000 |
| MACH-TRIM | AIR | AIR | 437.636 | 601.903 | 76 | .04113 | 66 | 1250 06532000 |
| MACH-TRIM | CENTRAL-AIR-DATA-COMPUTER | SIM | 47.2589 | 123.763 | 195 | .04232 | 64 | 1181 06534000 |
| MACH-TRIM | EMPENNAGE-ANTI/DE-ICE | AIR | * | 4.94672 | 400 | .46548 | 65 | 1198 06536000 |
| MACH-TRIM | WING-ANTI/DE-ICE-SYSTEM | AIR | * | 9.89344 | 200 | .23274 | 65 | 1198 06538000 |
| MACH-TRIM | C-12-COMPASS-SYSTEM-NAVIGATION | AIR | 36.4697 | 81.2156 | 152 | .08226 | 66 | 1250 06540000 |
| MACH-TRIM | C-12-COMPASS-SYSTEM-NAV | AIR | 121.329 | 213.027 | 96 | .04944 | 65 | 1227 06542000 |
| MACH-TRIM | FLIGHT-CONTROLS-707-131 | AIR | 230P | | | | 66 | 2361 06544000 |
| MACH-TRIM | FLIGHT-CONTROLS-707-131 | AIR | 220P | | | | 66 | 2364 06546000 |
| MACH-TRIM | STEERING-SYSTEM | AIR | 125.68 | 279.882 | 62 | .02387 | 63 | 1111 06548000 |
| MACH-TRIM | BRAKE-CABLE | AIR | 220.611 | 370.97 | 61 | .03173 | 64 | 1144 06550000 |
| MACH-TRIM | STEERING-SYSTEM | AIR | * | 48.2219 | 124 | .04775 | 63 | 1111 06552000 |
| MACH-TRIM | BRAKE-SYSTEM-LANDING-GEAR | AIR | 371.729 | 357.202 | 1194 | 1.0357 | 67 | 1272 06554000 |
| MACH-TRIM | BRAKE-SYSTEM-LANDING-GEAR | AIR | 415.682 | 475.851 | 946 | .22854 | 65 | 1228 06556000 |
| MACH-TRIM | BRAKE-SYSTEM | AIR | 490.531 | 565.52 | 812 | .17532 | 64 | 1179 06558000 |

.00 N.O.C.

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 191 COMPUTER AND RECORDING ELEMENTS

PART DESCRIPTION FUNCTIONAL APPLICATION

UPPER PART
90 CONF POPU-
LIMIT LATION
HOURS

FAILURE RATE
ENVIRONMENT

-00 M.G.C.

| | | | | | |
|----------------------------|------------------------|-----|-------|---------|----------|
| COMPUTER-AP-AMPLIFIER | AUTO-PILOT-707-3318 | AIR | 1210P | 66 2362 | 04540000 |
| COMPUTER-AP-AMPLIFIER | AUTO-PILOT-707-3318 | AIR | 2100P | 65 2362 | 04562000 |
| COMPUTER-AP-AMPLIFIER | AUTO-PILOT-707-3318 | AIR | 3840P | 65 2362 | 04564000 |
| COMPUTER-AP-AMPLIFIER | AUTO-PILOT-707-3318 | AIR | 3960P | 66 2362 | 04566000 |
| COMPUTER-AP-AMPLIFIER | AUTO-PILOT-707-3318 | AIR | 3980P | 66 2362 | 04568000 |
| COMPUTER-AP-AMPLIFIER | AUTO-PILOT-707-3318 | AIR | 4100P | 65 2362 | 04570000 |
| COMPUTER-AP-AMPLIFIER | AUTO-PILOT-707-3318 | AIR | 5660P | 66 2362 | 04572000 |
| COMPUTER-AP-AMPLIFIER | AUTO-PILOT-707-3318 | AIR | 6040P | 65 2362 | 04574000 |
| COMPUTER-AP-AMPLIFIER | AUTO-PILOT-707-3318 | AIR | 6040P | 66 2362 | 04576000 |
| COMPUTER-AP-AMPLIFIER | AUTO-PILOT-707-3318 | AIR | 6400P | 66 2362 | 04578000 |
| COMPUTER-AP-AMPLIFIER | AUTO-PILOT-707-3318 | AIR | 6760P | 66 2362 | 04580000 |
| COMPUTER-AP-AMPLIFIER | AUTO-PILOT-707-3318 | AIR | 7740P | 66 2362 | 04582000 |
| COMPUTER-CTL-CHASSIS-KIFIS | PROPELLANT-UTILIZATION | LAR | * | 1610.2 | 14 |
| COMPUTER-CTL-CHASSIS-KIFIS | NAVIGATION-707-3318 | AIR | 610P | 61 2400 | 04584000 |
| COMPUTER-CTL-CHASSIS-KIFIS | NAVIGATION-707-3318 | AIR | 66CP | 66 2362 | 04586000 |
| COMPUTER-CTL-CHASSIS-KIFIS | NAVIGATION-707-3318 | AIR | 730P | 66 2364 | 04588000 |
| COMPUTER-CTL-CHASSIS-KIFIS | NAVIGATION-707-3318 | AIR | 800P | 66 2364 | 04590000 |
| COMPUTER-CTL-CHASSIS-KIFIS | NAVIGATION-707-3318 | AIR | 840P | 65 2362 | 04592000 |
| COMPUTER-CTL-CHASSIS-KIFIS | NAVIGATION-707-3318 | AIR | 1180P | 65 2364 | 04594000 |
| COMPUTER-DOPPLER | NAVIGATION-331C/373C | AIR | 250P | 66 2365 | 04596000 |
| COMPUTER-DOPPLER | NAVIGATION-331C/373C | AIR | 250P | 66 2365 | 04600000 |
| COMPUTER-DOPPLER | NAVIGATION-707-3318 | AIR | 680P | 66 2362 | 04602000 |
| COMPUTER-DOPPLER | NAVIGATION-331C/373C | AIR | 720P | 66 2360 | 04604000 |
| COMPUTER-DOPPLER | NAVIGATION-331C/373C | AIR | 750P | 66 2362 | 04606000 |
| COMPUTER-DOPPLER | NAVIGATION-707-3318 | AIR | 850P | 65 2362 | 04608000 |
| COMPUTER-DOPPLER | NAVIGATION-331C/373C | AIR | 1220P | 65 2365 | 04610000 |
| COMPUTER-DOPPLER | NAVIGATION-707-3318 | AIR | 1500P | 66 2362 | 04612000 |
| COMPUTER-DOPPLER | NAVIGATION-707-3318 | AIR | 1700P | 66 2362 | 04614000 |
| COMPUTER-DOPPLER | NAVIGATION-707-3318 | AIR | 2370P | 65 2362 | 04616000 |
| COMPUTER-DOPPLER | NAVIGATION-707-3318 | AIR | 2390P | 65 2362 | 04618000 |
| COMPUTER-DOPPLER | NAVIGATION-707-3318 | AIR | 170P | 65 2362 | 04620000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION-707-3318 | AIR | 210P | 65 2364 | 04622000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION-331C/373C | AIR | 240P | 66 2360 | 04624000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION-707-3318 | AIR | 290P | 66 2362 | 04626000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION-707-3318 | AIR | 310P | 65 2364 | 04628000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION-707-3318 | AIR | 340P | 66 2362 | 04630000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION-707-3318 | AIR | 370P | 66 2362 | 04632000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION-707-3318 | AIR | 400P | 65 2362 | 04634000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION-707-3318 | AIR | 450P | 65 2362 | 04636000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION-331C/373C | AIR | 470P | 66 2364 | 04638000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION-707-3318 | AIR | 490P | 65 2365 | 04640000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION-707-3318 | AIR | 490P | 65 2364 | 04642000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION-331C/373C | AIR | 500P | 66 2360 | 04644000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION-880 | AIR | 530P | 66 2360 | 04646000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION-707-3318 | AIR | 570P | 66 2364 | 04648000 |

ROME AIR DEVELOPMENT CENTER, GRAIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 191 COMPUTER AND RECORDING ELEMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR | CROSS OF DATA INDEX |
|--------------------------|-------------------------------------|------------------------|-------------|--------------|---------------------|-----------------|------------|----|---------------------|
| PART DESCRIPTION | | | | | | | | | |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.707-331B | | AIR | 570P | | | | 66 | 2362 06450000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.707-331 | | AIR | 670P | | | | 66 | 2364 06452000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.707-331B | | AIR | 680P | | | | 66 | 2364 06454000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.707-331B | | AIR | 680P | | | | 66 | 2364 06456000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.707-331 | | AIR | 680P | | | | 66 | 2362 06458000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.707-331B | | AIR | 730P | | | | 66 | 2362 06460000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.880 | | AIR | 790P | | | | 65 | 2360 06462000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.707-331B | | AIR | 790P | | | | 65 | 2362 06464000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.880 | | AIR | 800P | | | | 65 | 2363 06466000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.727 | | AIR | 810P | | | | 66 | 2365 06468000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.707-131 | | AIR | 820P | | | | 65 | 2364 06470000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.880 | | AIR | 830P | | | | 66 | 2363 06472000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.727 | | AIR | 840P | | | | 66 | 2360 06474000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.707-131B | | AIR | 870P | | | | 66 | 2364 06476000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.707-131 | | AIR | 910P | | | | 66 | 2362 06478000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.727 | | AIR | 920P | | | | 66 | 2360 06480000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.707-131B | | AIR | 920P | | | | 66 | 2364 06482000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.707-131 | | AIR | 1000P | | | | 66 | 2364 06484000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.331C/373C | | AIR | 1000P | | | | 66 | 2365 06486000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.331C/373C | | AIR | 1010P | | | | 66 | 2365 06488000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.880 | | AIR | 1190P | | | | 66 | 2365 06490000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.727 | | AIR | 1380P | | | | 66 | 2360 06492000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.880 | | AIR | 1650P | | | | 65 | 2360 06494000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.727 | | AIR | 1930P | | | | 66 | 2365 06496000 |
| COMPUTER-FLIGHT-STEERING | NAVIGATION.727 | | AIR | 2140P | | | | 65 | 2365 06498000 |
| COMPUTER-KIFIS | NAVIGATION.707-331 | | AIR | 170P | | | | 66 | 2364 06700000 |
| COMPUTER-KIFIS | NAVIGATION.707-331B | | AIR | 210P | | | | 65 | 2364 06702000 |
| COMPUTER-KIFIS | NAVIGATION.331C/373C | | AIR | 250P | | | | 66 | 2365 06704000 |
| COMPUTER-KIFIS | NAVIGATION.707-331B | | AIR | 290P | | | | 66 | 2364 06706000 |
| COMPUTER-KIFIS | NAVIGATION.331C/373C | | AIR | 480P | | | | 66 | 2360 06708000 |
| COMPUTER-KIFIS | NAVIGATION.707-331B | | AIR | 490P | | | | 66 | 2365 06710000 |
| COMPUTER-KIFIS | NAVIGATION.880 | | AIR | 600P | | | | 66 | 2365 06712000 |
| COMPUTER-KIFIS | NAVIGATION.707-331 | | AIR | 680P | | | | 66 | 2362 06714000 |
| COMPUTER-KIFIS | NAVIGATION.707-331B | | AIR | 680P | | | | 66 | 2364 06716000 |
| COMPUTER-KIFIS | NAVIGATION.880 | | AIR | 680P | | | | 66 | 2360 06718000 |
| COMPUTER-KIFIS | NAVIGATION.707-331B | | AIR | 710P | | | | 66 | 2362 06720000 |
| COMPUTER-KIFIS | NAVIGATION.707-131 | | AIR | 800P | | | | 66 | 2362 06722000 |
| COMPUTER-KIFIS | NAVIGATION.707-131 | | AIR | 910P | | | | 66 | 2364 06724000 |
| COMPUTER-KIFIS | NAVIGATION.707-331 | | AIR | 930P | | | | 66 | 2362 06726000 |
| COMPUTER-KIFIS | NAVIGATION.707-131 | | AIR | 990P | | | | 66 | 2362 06728000 |
| COMPUTER-KIFIS | NAVIGATION.707-131 | | AIR | 1000P | | | | 66 | 2364 06730000 |
| COMPUTER-KIFIS | NAVIGATION.880 | | AIR | 1160P | | | | 66 | 2360 06732000 |
| COMPUTER-KIFIS | NAVIGATION.880 | | AIR | 1340P | | | | 66 | 2365 06734000 |
| COMPUTER-KIFIS | NAVIGATION.707-331 | | AIR | 1410P | | | | 66 | 2364 06736000 |
| COMPUTER-STEERING | IFS | | AIR | 50 | | | | 66 | 2380 06738000 |

00 M.O.C.

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 191 COMPUTER AND RECORDING ELEMENTS

| PART DESCRIPTION | FUNCTIONAL APPLICATION |
|------------------------------|--|
| 1. Base Plate | Supports the entire assembly and provides a stable foundation. |
| 2. Vertical Support | Provides structural integrity and maintains the vertical alignment of the components. |
| 3. Adjustable Arm | Allows for precise positioning and adjustment of the horizontal distance between the base and the target area. |
| 4. Target Area | Defines the specific point or region of interest for measurement or observation. |
| 5. Measurement Scale | Provides a quantitative measure of the distance or displacement between the base and the target area. |
| 6. Adjustable Clamp | Secures the target area and measurement scale in place, ensuring accurate readings. |
| 7. Leveling Mechanism | Ensures the entire assembly is perfectly horizontal, eliminating any tilt or bias in the measurements. |
| 8. Support Rod | Provides additional structural support and maintains the vertical alignment of the adjustable arm. |
| 9. Adjustable Nut | Allows for fine-tuning the position and tension of the support rod, ensuring optimal stability. |
| 10. Base Mount | Provides a secure and stable connection between the base plate and the support structure. |

CC N.O.C.

| DESCRIPTION | UNIT | QTY | PRICE | TOTAL | REMARKS |
|--|------|---------|---------|----------|----------|
| COMPUTER-STEERING | AIR | 180 | 66.2380 | 06740000 | |
| NAVIGATION-707-331 | AIR | 340P | 56.2364 | 06742000 | |
| NAVIGATION-707-331 | AIR | 470P | 56.2364 | 06744000 | |
| NAVIGATION-331C/373C | AIR | 560P | 65.2363 | 06746000 | |
| NAVIGATION-331C/373C | AIR | 760P | 66.2363 | 06748000 | |
| NAVIGATION-707-331B | AIR | 1190P | 66.2364 | 06750000 | |
| NAVIGATION-707-331B | AIR | 1460P | 66.2364 | 06752000 | |
| NAVIGATION-707-331B | AIR | 1900P | 65.2364 | 06754000 | |
| NAVIGATION-707-331 | AIR | 2010P | 65.2364 | 06756000 | |
| NAVIGATION-331C/373C | AIR | 2150P | 66.2363 | 06758000 | |
| NAVIGATION-331C/373C | AIR | 270P | 66.2363 | 06760000 | |
| NAVIGATION-880 | AIR | 610P | 66.2363 | 06762000 | |
| NAVIGATION-880 | AIR | 670P | 66.2363 | 06764000 | |
| NAVIGATION-880 | AIR | 720P | 65.2363 | 06766000 | |
| NAVIGATION-331C/373C | AIR | 1020P | 66.2363 | 06768000 | |
| NAVIGATION-727 | AIR | 2040P | 65.2363 | 06770000 | |
| NAVIGATION-727 | AIR | 2360P | 66.2363 | 06772000 | |
| NAVIGATION-727 | AIR | 4560P | 66.2363 | 06774000 | |
| FLIGHT-CONTROL-727 | AIR | 210P | 66.2363 | 06776000 | |
| FLIGHT-CONTROL-727 | AIR | 470P | 66.2363 | 06778000 | |
| NAVIGATION-331C/373C | AIR | 250P | 66.2363 | 06780000 | |
| NAVIGATION-331C/373C | AIR | 270P | 66.2363 | 06782000 | |
| NAVIGATION-880 | AIR | 1060P | 66.2363 | 06784000 | |
| NAVIGATION-880 | AIR | 1250P | 66.2363 | 06786000 | |
| STALL-WARNING-SYSTEM | AIR | 40-453 | 157.35 | 07127 | 06788000 |
| DOPPLER | AIR | 250 | 385.166 | 097 | 06790000 |
| FLIGHT-DIRECTOR | AIR | 326-324 | 360.904 | 597 | 06792000 |
| STALL-WARNING-SYSTEM | AIR | 340-384 | 489.375 | 76 | 06794000 |
| FLIGHT-DIRECTOR-SYSTEM | AIR | 352-54 | 452.206 | 152 | 06796000 |
| FLIGHT-DIRECTOR-SYSTEM | AIR | 364-077 | 500.734 | 96 | 06798000 |
| ELEVATOR-AUTO-FLIGHT-CONTROL-SYSTEM | AIR | 566-343 | 814.239 | 48 | 06800000 |
| AUTOC-FLIGHT | AIR | 760 | 66.2380 | 06802000 | |
| CAMPER-DUAL-YAW-RUDDER-AFCS | AIR | 1092-23 | 1414.2 | 48 | 06804000 |
| COPPLER-AN/ASN-35 | AIR | 1456-31 | 1819.5 | 48 | 06806000 |
| AN/APS-82-RADAR-SET | AIR | 2509-31 | 2695.76 | 189 | 06808000 |
| AMPLIFIER-SEARCH-RADAR | AIR | 10112-3 | 13093.3 | 36 | 06810000 |
| AN/ASN-28-RADAR-TRANSMITTER | AIR | 11374-4 | 12034.4 | 63 | 06812000 |
| ASN-48-INTERIAL-NAVIGATION-SET | AIR | 17315-1 | 19912.8 | 00514 | 06814000 |
| AMPLIFIER-ASN-46 | AIR | 32142-8 | 44207.6 | 00056 | 06816000 |
| BOMB-NAVIGATION-COMPUTER-ASN89 | AIR | 1489-24 | 1489.24 | 31 | 06818000 |
| AMPLIFIER | AIR | 1714-28 | 2540.22 | 007 | 06820000 |
| COMPUTERS-AERODYNAMIC | AIR | 1123-59 | 2502.17 | 36 | 06822000 |
| FLIGHT-CONTROL/MEASUREMENT | AIR | 485-436 | 719.316 | 48 | 06824000 |
| COMPUTERS-AILERON-AUTO-FLIGHT-CONTROL-SYSTEM | AIR | 65 | 1227 | 06826000 | |

NON-ELECTRONIC PART FAILURE RATE DATA

FAILURE RATE DATA

| PART CLASS | 191 COMPUTER AND RECORDING ELEMENTS | FUNCTIONAL APPLICATION |
|------------------|-------------------------------------|------------------------|
| PART DESCRIPTION | | |

W.D. N.D.C.

| | | | | | | | | | | | | |
|--|------------------------------------|-----|-----|-----|---------|---------|-----|--|--------|----|------|-----------|
| COMPUTERS-COURSE | DOPPLER-NAVIGATION-SYSTEM | SIM | GRD | AIR | 4218-36 | 5080-97 | 195 | | 01209 | 64 | 1161 | 06895000A |
| COMPUTERS-CAMPER-DUAL-YAW | AUTO-FLIGHT-CONTROL-SYSTEM | AIR | | | 1604-66 | 1888-65 | 76 | | 04113 | 66 | 1250 | 06898000G |
| COMPUTERS-DIGITAL | CP-641-AN/ASN-24-NAVIGATION-SYSTEM | AIR | | | 2139-55 | 2462-53 | 76 | | 04113 | 66 | 1250 | 06900000A |
| COMPUTERS-DIGITAL | | AIR | | | 21973-7 | 25042-8 | 36 | | 00267 | 66 | 1256 | 06902000A |
| ANALYTIC | | | | | | | | | | | | |
| COMPUTERS-DIGITAL-CONTROL | AN/ASN-24-NAVIGATION-SYSTEM | AIR | | | 13483-1 | 16845-7 | 36 | | 00267 | 66 | 1256 | 06904000A |
| COMPUTERS-DIGITAL-CP-641 | | AIR | | | 1577-66 | 1953-44 | 48 | | 02472 | 65 | 1227 | 06906000A |
| COMPUTERS-DIRECTOR-INTEG-FLIGHT-AND-NAVIGATION | | AIR | | | 1472-22 | 1766-81 | 245 | | 0036 | 61 | 1080 | 06908000G |
| COMPUTERS-DOPPLER | NAVIGATION-707-331 | AIR | | | 700P | | | | | 66 | 2361 | 06910000G |
| COMPUTERS-DOPPLER | NAVIGATION-707-331B | AIR | | | 1310P | | | | | 66 | 2361 | 06912000G |
| COMPUTERS-DOPPLER | NAVIGATION-707-331B | AIR | | | 1540P | | | | | 66 | 2361 | 06914000G |
| COMPUTERS-DOPPLER | NAVIGATION-707-331B | AIR | | | 1840P | | | | | 66 | 2361 | 06916000G |
| COMPUTERS-DOPPLER | NAVIGATION-707-331B | AIR | | | 2030P | | | | | 65 | 2361 | 06918000G |
| COMPUTERS-DOPPLER | NAVIGATION-707-331 | AIR | | | 2060P | | | | | 65 | 2361 | 06920000G |
| COMPUTERS-ELEVATION-FLIGHT-CONTROL-SYSTEM | AN/ASN-35 | AIR | | | 3380-9 | 3724-05 | 76 | | 04113 | 66 | 1250 | 06922000A |
| COMPUTERS-ELEVATOR | | GRD | | | 2184-81 | 3711-42 | | | 0079 | 62 | 1135 | 06924000G |
| COMPUTERS-FLIGHT-CONTROL | AUTO-FLIGHT-CONTROL-SYSTEM | AIR | | | 1653-29 | 1941-07 | 76 | | 04113 | 66 | 1250 | 06926000G |
| COMPUTERS-FLIGHT-CONTROL | AUTO-FLIGHT-DC-8 | AIR | | | 1400 | | | | | 66 | 2360 | 06928000G |
| COMPUTERS-FLIGHT-DIRECTOR | AUTOPILLOT | AIR | | | 3018-86 | 3155-45 | 75 | | 028355 | 65 | 1196 | 06930000G |
| COMPUTERS-FLIGHT-DIRECTOR | | SIM | GRD | AIR | 47-279 | 174-417 | 195 | | 04583 | 64 | 1181 | 06932000G |
| COMPUTERS-FLIGHT-DIRECTOR | | AIR | | | 210-273 | 302-313 | | | 06658 | 65 | 1188 | 06934000G |
| COMPUTERS-FLIGHT-DIRECTOR | | AIR | | | 210-304 | 302-358 | | | 06657 | 65 | 1241 | 06936000G |
| COMPUTERS-FLIGHT-DIRECTOR | AJB-7-BOMB-COMPUTER | AIR | | | 314-508 | 416-426 | | | 07313 | 66 | 1241 | 06938000A |
| COMPUTERS-FLIGHT-DIRECTOR | | AIR | | | 375 | 532-31 | 13 | | 04 | 64 | 1153 | 06940000G |
| COMPUTERS-FLIGHT-DIRECTOR | AJB-7-BOMB-COMPUTER | AIR | | | 703-399 | 925-66 | | | 03412 | 65 | 1186 | 06942000G |
| COMPUTERS-FLIGHT-DIRECTOR | | AIR | | | 96-7741 | 215-509 | 136 | | 031 | 63 | 1114 | 06944000G |
| AIR-FORCE-STANDARD | | | | | | | | | | | | |
| COMPUTERS-FLIGHT-DIRECTOR | | AIR | | | 176-162 | 216-537 | 200 | | 02374 | 65 | 1198 | 06946000G |
| AIR-FORCE-STANDARD | | | | | | | | | | | | |
| COMPUTERS-FLIGHT-STEERING | NAVIGATION-707-131B | AIR | | | 70P | | | | | 65 | 2361 | 06948000G |
| COMPUTERS-FLIGHT-STEERING | NAVIGATION-707-131B | AIR | | | 140P | | | | | 66 | 2361 | 06950000G |
| COMPUTERS-FLIGHT-STEERING | NAVIGATION-707-331 | AIR | | | 260P | | | | | 65 | 2361 | 06952000G |
| COMPUTERS-FLIGHT-STEERING | NAVIGATION-707-331B | AIR | | | 550P | | | | | 66 | 2361 | 06954000G |
| COMPUTERS-FLIGHT-STEERING | NAVIGATION-707-131 | AIR | | | 680P | | | | | 65 | 2361 | 06956000G |
| COMPUTERS-FLIGHT-STEERING | NAVIGATION-707-131B | AIR | | | 690P | | | | | 66 | 2361 | 06958000G |
| COMPUTERS-FLIGHT-STEERING | NAVIGATION-707-331 | AIR | | | 700P | | | | | 65 | 2361 | 06960000G |
| COMPUTERS-FLIGHT-STEERING | NAVIGATION-707-131 | AIR | | | 780P | | | | | 66 | 2361 | 06962000G |
| COMPUTERS-FLIGHT-STEERING | NAVIGATION-707-331 | AIR | | | 790P | | | | | 66 | 2361 | 06964000G |
| COMPUTERS-FLIGHT-STEERING | NAVIGATION-707-131B | AIR | | | 1010P | | | | | 66 | 2361 | 06966000G |
| COMPUTERS-FLIGHT-STEERING | NAVIGATION-707-131 | AIR | | | 1-40P | | | | | 65 | 2361 | 06968000G |
| COMPUTERS-HEADING-DATA | SYSC/ASC-15 | GRD | | | | 622-324 | 10 | | 0037 | 66 | 1245 | 06970000A |
| COMPUTERS-NAVIGATION-COMPUTER-AS89 | BOMB-NAVIGATION-COMPUTER-AS89 | AIR | | | 251-256 | 559-93 | 31 | | 00194 | 65 | 1111 | 06972000A |

ARMY AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

| REF ID | CLASS | 1-1 COMPUTER AND RECORDING ELEMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF RPT | CROSS INDEX REF NO | |
|--------|-------|---|-------------------------------|-------------|--------------|-------------|---------------|-----------------|------------|-----------|--------------------|----------|
| 10 | N-6-C | COMPUTERS-HEADING-ERROR | BOMB-NAVIGATION-COMPUTER-ASB9 | AIR | 2177.55 | 2833.86 | 31 | | .01194 | 63 | 1111 | 06974000 |
| | | COMPUTERS-KIFIS | NAVIGATION-707-3318 | AIR | 280P | | | | | 60 | 2361 | 06976000 |
| | | COMPUTERS-KIFIS | NAVIGATION-707-3318 | AIR | 340P | | | | | 65 | 2361 | 06978000 |
| | | COMPUTERS-KIFIS | NAVIGATION-707-3318 | AIR | 340P | | | | | 66 | 2361 | 06980000 |
| | | COMPUTERS-KIFIS | NAVIGATION-707-331 | AIR | 420P | | | | | 66 | 2361 | 06982000 |
| | | COMPUTERS-KIFIS | NAVIGATION-707-331 | AIR | 530P | | | | | 66 | 2361 | 06984000 |
| | | COMPUTERS-KIFIS | NAVIGATION-707-131 | AIR | 670P | | | | | 66 | 2361 | 06986000 |
| | | COMPUTERS-KIFIS | NAVIGATION-707-131 | AIR | 1030P | | | | | 66 | 2361 | 06988000 |
| | | COMPUTERS-LATITUDE | BOMB-NAVIGATION-COMPUTER-ASB9 | AIR | 670.016 | 1088.33 | 31 | | .01194 | 63 | 1111 | 06990000 |
| | | COMPUTERS-LATITUDE-DATA | BOMB-NAVIGATION-COMPUTER-ASB9 | AIR | 921.273 | 1350.12 | 31 | | .01194 | 63 | 1111 | 06992000 |
| | | COMPUTERS-LONGITUDE | BOMB-NAVIGATION-COMPUTER-ASB9 | AIR | 1688.77 | 1587.76 | 31 | | .01194 | 63 | 1111 | 06994000 |
| | | COMPUTERS-LONGITUDE-DATA | BOMB-NAVIGATION-COMPUTER-ASB9 | AIR | 2010.05 | 2645.18 | 31 | | .01194 | 63 | 1111 | 06996000 |
| | | COMPUTERS-MISSILE-LAUNCH | SIGHT-SYSTEM | SIM GRD AIR | 168.108 | 240.749 | 195 | | .02775 | 64 | 1181 | 06998000 |
| | | COMPUTERS-MISSILE-RELEASE | RADAR | AIR | 631.062 | 756.018 | | | .08557 | 63 | 1123 | 07000000 |
| | | COMPUTERS-NAVIGATION/LAND-APPROACH-FLIGHT-CONTROL/MEASUREMENT | AMPLIFIER | AIR | 4119.85 | 6216.53 | 36 | | .00267 | 66 | 1256 | 07002000 |
| | | COMPUTERS-NAVIGATIONAL | DOPPLER-AN/ASN-35 | AIR | 149.712 | 204.101 | 50 | | .12691 | 65 | 1198 | 07004000 |
| | | COMPUTERS-NAVIGATIONAL | DOPPLER-AN/ASN-35 | AIR | 933.333 | 1341.86 | 68 | | .015 | 63 | 1114 | 07006000 |
| | | COMPUTERS-NAVIGATIONAL | DOPPLER-AN/ASN-35 | AIR | 1916.3 | 2091.44 | 100 | | .11637 | 65 | 1198 | 07008000 |
| | | COMPUTERS-NAVIGATIONAL | AN/ASN-56 | AIR | 3538.25 | 3836.97 | | | .0732 | 66 | 1263 | 07010000 |
| | | COMPUTERS-NAVIGATIONAL | AN/ASN-46 | AIR | 6905.37 | 8540.58 | | | .00391 | 66 | 1263 | 07012000 |
| | | COMPUTERS-NAVIGATIONAL | AN/ASN-56 | AIR | 8888.8 | 124731 | | | .00018 | 66 | 1241 | 07014000 |
| | | COMPUTERS-NAVIGATIONAL-INSTRUMENTATION | | AIR | 308.008 | 358.805 | 406 | | .06766 | 64 | 1179 | 07016000 |
| | | COMPUTERS-NAVIGATIONAL-INSTRUMENTATION | | AIR | 332.545 | 412.94 | 473 | | .11427 | 65 | 1228 | 07018000 |
| | | COMPUTERS-PITCH | IFS | AIR | 760 | | | | | 66 | 2380 | 07020000 |
| | | COMPUTERS-PITCH-AXIS | AUTO-FLIGHT | AIR | 1140 | | | | | 66 | 2380 | 07022000 |
| | | COMPUTERS-PITCHROLL-DATA | BOMB-NAVIGATION-COMPUTER-ASB9 | AIR | 921.273 | 1390.12 | 31 | | .01194 | 63 | 1111 | 07024000 |
| | | COMPUTERS-PRESENT-POSITION | DOPPLER-NAVIGATOR | SIM GRD AIR | 12489.6 | 13895.6 | 195 | | .01209 | 64 | 1181 | 07026000 |
| | | COMPUTERS-RELEASE-ANGLE | AJB-7-LOFT-BOMB-COMPUTER | AIR | 27.3485 | 72.7786 | | | .07313 | 66 | 1241 | 07028000 |
| | | COMPUTERS-RELEASE-ANGLE | AJB-3A-LOFT-BOMB-COMPUTER | AIR | 30.1386 | 80.2934 | | | .06636 | 65 | 1188 | 07030000 |
| | | COMPUTERS-RELEASE-ANGLE | AJB-7-LOFT-BOMB-COMPUTER | AIR | 2121.21 | 35669.3 | | | .00033 | 65 | 1188 | 07032000 |
| | | COMPUTERS-ROLL | IFS | AIR | 1140 | | | | | 66 | 2380 | 07034000 |
| | | COMPUTERS-ROLL-AXIS | AUTO-FLIGHT | AIR | * | | | | | 66 | 2380 | 07036000 |
| | | COMPUTERS-SECTION-OFFSET | RADAR-PRESENTATION-ASB9 | AIR | * | | | | .02387 | 63 | 1111 | 07038000 |
| | | COMPUTERS-SIGNAL | AN/AG-3-RECORDER-SYSTEM | AIR | 771.582 | 925.979 | 48 | | .06869 | 64 | 1162 | 07040000 |
| | | COMPUTERS-SIGNAL-STEERING | TRACK-PADAR | AIR | 8239.7 | 10981.3 | 36 | | .00267 | 66 | 1256 | 07042000 |
| | | COMPUTERS-STABILIZATION | AUTOPILOT | AIR | 733.556 | 803.131 | 75 | | .28355 | 65 | 1196 | 07044000 |
| | | COMPUTERS-STABILIZING | AUTO-FLIGHT-DC-8 | AIR | 440 | | | | | 66 | 2380 | 07046000 |
| | | COMPUTERS-STEER-SIGNAL-FLIGHT-CONTROL/MEASUREMENT | AMPLIFIER-COMVERTER | AIR | 3370.78 | 5320.59 | 36 | | .00267 | 66 | 1256 | 07048000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

PART CLASS 191 COMPUTER AND RECORDING ELEMENTS
PART DESCRIPTION FUNCTIONAL APPLICATION

200 N.O.C.

COMPUTERS-STEERING
COMPUTERS-STEERING
COMPUTERS-STEERING
COMPUTERS-STEERING
COMPUTERS-STEERING
COMPUTERS-STEERING-SIGNAL
COMPUTERS-TARGET
COMPUTERS-TARGET-POSITION
COMPUTERS-TIME
COMPUTERS-TRAIL
COMPUTERS-TRANVERSE
COMPUTERS/AMPLIFIERS.
ASYMMETRY
COMPUTERS/AMPLIFIERS.
ASYMMETRY

IFS-DC-R
FLIGHT-DIRECTOR-SYSTEM-MA-I
FLIGHT-DIRECTOR-SYSTEM-MAI
FLIGHT-DIRECTOR-SYSTEM-MAI
FLIGHT-DIRECTOR-SYSTEM-MA-I
INFRARED-SYSTEM
AN/ASA-31-JULIE
TRACK-RADAR-ASG-15
BOMB-NAVIGATION-COMPUTER-ASB9
BOMB-NAVIGATION-COMPUTER-ASB9
FLIGHT-CONTROL-SYSTEM
WING-FLAP-SYSTEM
WING-FLAP-SYSTEM

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| ENVIRONMENT | FAILURE RATE | UPPER | | PART | PART | YR | OF DATA | CROSS |
|-------------|--------------|---------|-------|--------|--------|-----|---------|-----------|
| | | 90 CONF | LIMIT | POPUL- | HOURS | RPT | SRC | INDEX |
| | | | | LATION | | | | REF NO |
| AIR | 110 | | | | | 66 | 2380 | 07050000 |
| AIR | 681.818 | 809.079 | 102 | | .088 | 63 | 1114 | 07052000 |
| AIR | 819.478 | 932.373 | 50 | | .12691 | 65 | 1198 | 07054000 |
| AIR | 1417.91 | 1933.02 | 50 | | .0134 | 63 | 1198 | 07056000 |
| AIR | 1583.33 | 2158.54 | 50 | | .012 | 63 | 1114 | 07058000 |
| AIR | 8239.7 | 10981.3 | 36 | | .00267 | 66 | 1256 | 07060000A |
| AIR | 2460.32 | 2721.05 | 48 | | .06869 | 64 | 1162 | 07062000 |
| AIR | 7872.69 | 9018.83 | 31 | | .01194 | 63 | 1111 | 07064000 |
| AIR | 921.273 | 1390.12 | 31 | | .01194 | 63 | 1111 | 07066000 |
| AIR | 335.008 | 669.476 | 31 | | .01194 | 63 | 1111 | 07068000 |
| GRD | 2131.89 | 2988.11 | | | .0079 | 62 | 1135 | 07070000 |
| AIR | 40.453 | 157.35 | 48 | | .02472 | 65 | 1227 | 07072000 |
| AIR | 72.9394 | 162.431 | 76 | | .04113 | 66 | 1250 | 07074000A |

90 MAGNETIC MEMORY

DRUM

COMPUTER

44.6927 72.596 16 .179 66 2002 07076000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 192 COMPUTERS, ANALOG | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POSITION | PART NUMBER | YR OF DATA INDEX | CROSS REF NO |
|--------------------|-----------------------|------------------------|-------------|--------------|-------------|---------------|-------------|------------------|--------------|
| PART DESCRIPTION | | | | | | | | | |
| 1. AIRSPEED | | | | | | | | | |
| TRUE-AIRSPEED/MACH | | FLIGHT-INSTRUMENT | AIR | 2010.05 | 2645.18 | 31 | .01194 | 63 1111 | 07078000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N. Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | ISS CONDUITS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------|--------------|------------------|------------------------------|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | DISTRIBUTION-DC-POWER-SUPPLY | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 07080000 |
| | | | LANDING-GEAR | AIR | * | 4.94672 | 400 | .46548 | 65 | 1198 07082000 |
| | | | DISTRIBUTION-DC-POWER-SUPPLY | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 07084000 |
| | | | PROPELLOR-ASSEMBLY | AIR | * | 2.47333 | 800 | .93097 | 65 | 1198 07086000 |
| | | | IGNITION/ELECTRICAL-SYSTEMS | AIR | * | 4.94672 | 400 | .46548 | 65 | 1198 07088000 |
| | | | IGNITION/ELECTRICAL-SYSTEMS | AIR | * | 4.53598 | 200 | .50763 | 65 | 1198 07090000 |
| | | | HYDROMATIC-PROPELLOR | AIR | 2.26528 | 4.52892 | 2040 | 1.765 | 63 | 1114 07092000 |
| | | | PROPELLOR-ASSEMBLY | AIR | 2.36388 | 4.14943 | 1000 | 2.5382 | 65 | 1198 07094000 |
| | | | LANDING-GEAR | AIR | 8.10372 | 21.5652 | 456 | .2469 | 66 | 1250 07096000 |
| | | | HYDROMATIC-PROPELLOR | AIR | 8.67823 | 12.6555 | 1000 | 1.498 | 63 | 1114 07098000 |
| | | | PROPELLOR-ASSEMBLY | AIR | 8.84842 | 12.5574 | 1000 | 1.6956 | 63 | 1198 07100000 |
| | | | LANDING-GEAR | AIR | 13.4843 | 35.8839 | 288 | .14832 | 65 | 1227 07102000 |
| | | | IGNITION/ELECTRICAL-SYSTEMS | AIR | 14.744 | 27.3493 | 200 | .33912 | 63 | 1198 07104000 |
| | | | IGNITION/ELECTRICAL-SYSTEMS | AIR | 16.7224 | 31.019 | 200 | .299 | 63 | 1114 07106000 |
| | | | DISTRIBUTION-DC-POWER-SUPPLY | AIR | 17.1865 | 45.736 | 100 | .11637 | 65 | 1198 07108000 |
| | | | DISTRIBUTION-AC-POWER-SUPPLY | AIR | 17.1865 | 45.736 | 100 | .11637 | 65 | 1198 07110000 |
| | | | LANDING-GEAR | AIR | 57.1282 | 73.2787 | 200 | .50763 | 65 | 1198 07112000 |
| | | | LANDING-GEAR | AIR | 62.3229 | 83.0601 | 408 | .353 | 63 | 1114 07114000 |
| | | | DISTRIBUTION-AC-POWER-SUPPLY | AIR | 70.7714 | 124.228 | 50 | .08478 | 63 | 1198 07116000 |
| | | | DISTRIBUTION-AC-POWER-SUPPLY | AIR | 80 | 140.428 | 50 | .075 | 63 | 1114 07118000 |
| | | | DISTRIBUTION-DC-POWER-SUPPLY | AIR | 94.3618 | 153.275 | 50 | .09478 | 63 | 1198 07120000 |
| | | | DISTRIBUTION-DC-POWER-SUPPLY | AIR | 106.666 | 173.262 | 50 | .075 | 63 | 1114 07122000 |
| | | | LANDING-GEAR | AIR | 141.542 | 171.495 | 200 | .33912 | 63 | 1198 07124000 |
| | | | LANDING-GEAR | AIR | 150.501 | 183.538 | 200 | .299 | 63 | 1114 07126000 |
| | | | FIRE-DETECTOR-SYSTEM | AIR | 28.897 | 38.2612 | | .79593 | 66 | 1241 07128000 |

FLEXIBLE

ROBE AIR DEVELOPMENT CENTER, GRIFFISS AFB, M.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 192 CONES | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|--------------------------------------|-----------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| CC N.O.C. | | | | | | | | | |
| TAIL-FUSELAGE-AFT | AIR | | | * | 53.1472 | 48 | .02472 | 65 | 1227 0713000 |
| NOSE-WHEEL-POD | AIR | | | * | 46.5736 | 96 | .04944 | 65 | 1227 0713000 |
| INLET-DIFFUSER-EXHAUST-TURBOJET-J-85 | AIR | | | * | 10.0752 | 946 | .22854 | 65 | 1228 0713400 |
| LENS-PHOTOGRAPHIC-EQUIPMENT | AIR | | | * | 44.0773 | 250 | .03224 | 63 | 1198 0713600 |
| PROPELLER-BRAKE-REDUCTION-GEAR | AIR | | | .501379 | 1.95021 | 1716 | 1.9945 | 65 | 1201 0713800 |
| TAIL-FUSELAGE-PLATYPUS | AIR | | | 8.59328 | 33.4252 | 100 | .11637 | 65 | 1198 0714000 |
| EXHAUST-BASIC-ENGINE | AIR | | | 11.3314 | 22.6446 | 402 | .353 | 63 | 1114 0714200A |
| EXHAUST-BASIC-ENGINE | AIR | | | 15.7595 | 25.5987 | 200 | .50763 | 65 | 1198 0714400 |
| EXHAUST-BASIC-ENGINE | AIR | | | 19.3348 | 30.519 | 400 | .46548 | 65 | 1198 0714600 |
| WATER-SEPARATOR-AIR-COND-CARGO-COMPT | AIR | | | 23.5904 | 62.7777 | 50 | .08478 | 63 | 1198 0714800 |
| WATER-SEPARATOR-AIR-COND-CARGO-COMPT | AIR | | | 25.7798 | 57.4099 | 100 | .11637 | 65 | 1198 0715000 |
| WATER-SEPARATOR-AIR-COND-CARGO-COMPT | AIR | | | 26.6666 | 70.964 | 50 | .075 | 63 | 1114 0715200 |
| EXHAUST-BASIC-ENGINE | AIR | | | 38.3345 | 55.9033 | 200 | .33912 | 63 | 1198 0715400 |
| TAIL-EXHAUST-SECTION-BASIC-ENGINE | AIR | | | 40.453 | 80.8409 | 192 | .09888 | 65 | 1227 0715600 |
| EXHAUST-BASIC-ENGINE | AIR | | | 43.4782 | 63.4045 | 200 | .299 | 63 | 1114 0715800 |
| WATER-SEPARATOR-AIR-COND-FLIGHT-DECK | AIR | | | 58.9761 | 109.397 | 50 | .08478 | 63 | 1198 0716000 |
| WATER-SEPARATOR-AIR-COND-FLIGHT-DECK | AIR | | | 66.6666 | 123.662 | 50 | .075 | 63 | 1114 0716200 |
| WATER-SEPARATOR-AIR-COND-CARGO-COMPT | AIR | | | 66.6666 | 259.313 | 68 | .015 | 63 | 1114 0716400 |
| WATER-SEPARATOR-AIR-COND-CARGO-COMPT | AIR | | | 78.7959 | 121.398 | 50 | .12691 | 65 | 1198 0716600 |
| LENS-CAMERA | AIR | | | 83.752 | 325.77 | 31 | .01194 | 63 | 1111 0716800 |
| WATER-SEPARATOR-AIR-COND-CARGO-COMPT | AIR | | | 90.909 | 147.667 | 102 | .088 | 63 | 1114 0717000 |
| NOSE-ENGINE-NACELLE | AIR | | | 222.491 | 296.523 | 192 | .09888 | 65 | 1227 0717200 |
| WATER-SEPARATOR-AIR-COND-FLIGHT-DECK | AIR | | | 333.333 | 618.313 | 68 | .015 | 63 | 1114 0717400 |
| WATER-SEPARATOR-AIR-COND-FLIGHT-DECK | AIR | | | 472.63 | 565.257 | 100 | .11637 | 65 | 1198 0717600 |
| WATER-SEPARATOR-AIR-COND-FLIGHT-DECK | AIR | | | 477.272 | 586.232 | 102 | .088 | 63 | 1114 0717800 |
| WATER-SEPARATOR-AIR-COND-FLIGHT-DECK | AIR | | | 496.414 | 586.577 | 50 | .12691 | 65 | 1198 0718000 |
| ENGINE-MOUNT | AIR | | | * | 2.47333 | 800 | .93097 | 65 | 1198 0718200 |
| WHEEL-POD | AIR | | | * | 27.9917 | 132 | .08226 | 66 | 1250 0718400 |
| ENGINE-NACELLE | AIR | | | 151.975 | 198.852 | 304 | .1645 | 66 | 1250 0718600A |
| EXHAUST-SECTION-BASIC-ENGINE | AIR | | | * | 13.9975 | 304 | .1645 | 66 | 1250 0718800 |
| FUSELAGE-AFT | AIR | | | 48.6263 | 129.401 | 76 | .04113 | 66 | 1250 0719000 |

MALE
NOSE
NOSE
TAIL
TAIL

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

PART CLASS 201 CONNECTORS

PART DESCRIPTION FUNCTIONAL APPLICATION

.00 ELECTRICAL, N.O.C.

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART NO | PART | YR | GROSS |
|---------------------------------------|------------------------|-------------|--------------|-------------|---------|--------|----|-----------------|
| (PAIR) | | GRD | * | 663.573 | 300 | .00347 | 62 | 1159 071920000A |
| | | GRD | * | .006071 | 2868 | 379.28 | 63 | 1116 07194000 |
| | | LAB | * | .194476 | | 11.84 | 66 | 1230 07195000A |
| SENSING-ELEMENT-FIRE-DETECTION-SYSTEM | | AIR | * | .969344 | 200 | 2.3274 | 65 | 1198 07198000 |
| HYDRAULIC-VALVE | | LIFE LAB | * | .767533C | 3 | 3.0C | 66 | 2341 07200000A |
| | | SAT | * | 18.1307 | | .127 | 65 | 1252 07202000 |
| | | AIR | * | 1.12872 | | 2.04 | 57 | 212 07204000 |
| | | LAB | * | 7.5492 | 288 | .305 | 66 | 1218 07206000A |
| | | AIR | * | 2.39854 | | .96 | 57 | 212 07208000 |
| SENSING-ELEMENT-FIRE-DETECTION-SYSTEM | | AIR | * | .348921 | 2600 | 6.5992 | 65 | 1198 07210000 |
| (STORAGE) (PAIR) | | GRD | * | 959.416 | 200 | .0024 | 63 | 1159 07212000A |
| | | LAB | * | .002522 | | 912.87 | 65 | 1204 07214000 |
| | | GRD | * | 697.757 | 200 | .0033 | 63 | 1159 07216000 |
| | | GRD | * | 559.416 | 200 | .0024 | 63 | 1159 07218000A |
| | | SAT | * | 24.289 | | .0948 | 66 | 2005 07220000 |
| (25-PIN) | | AIR | * | 16.7598 | 570 | .214 | 64 | 1146 07222000 |
| | | GRD | * | .71175 | 3236 | 3.2092 | 65 | 1176 07224000 |
| | | GRD | * | .691056 | | 3.332 | 62 | 2240 07226000 |
| | | SIM MSL | * | 20932.7 | 222 | .00011 | 64 | 1143 07228000A |
| | | GRD | * | 165.654 | 900 | .0139 | 62 | 1159 07230000A |
| | | GRD | * | 179.89 | 800 | .0128 | 63 | 1159 07232000A |
| | | GRD | * | 719.562 | 200 | .0032 | 63 | 1159 07234000A |
| (CALENDAR) (PAIR) | | GRD | * | .006572 | | 350.34 | 63 | 1104 07236000 |
| | | GRD | * | 191.883 | 1100 | .012 | 63 | 1159 07238000A |
| (OPERATING) (PAIR) | | GRD | * | .17549 | | 13.121 | 65 | 1204 07240000 |
| | | SIM AIR | * | 16.4471 | 2178 | .14 | 64 | 1139 07242000 |
| | | GRD | * | .01007 | | 228.67 | 65 | 1204 07244000 |
| (CALENDAR) (PAIR) | | GRD | * | .161122 | | 14.291 | 65 | 1204 07246000 |
| (OPERATING) (PAIR) | | GRD | * | 71.9562 | 1400 | .032 | 63 | 1159 07248000A |
| TACAN-RADIO-ARN210 | | GRD | * | .253311 | | 9.09 | 57 | 2240 07250000 |
| | | AIR | * | 192.847 | 31 | .01194 | 63 | 1111 07252000 |
| | | GRD | * | 63.4325 | 2250 | .0363 | 62 | 1159 07254000A |
| | | GRD | * | 323.71 | 600 | .0069 | 62 | 1159 07256000A |
| | | GRD | * | .020633 | | 111.60 | 62 | 2240 07258000 |
| (PER-PIN) | | MSL | * | 115130 | 36 | .00002 | 64 | 1143 07260000A |
| | | SAT | * | .794466 | 626 | 2.8983 | 66 | 1242 07262000A |
| (STORAGE) | | GRD | * | 35.7546 | 4000 | .0644 | 63 | 1159 07264000A |
| (STRESS-RATIO-.1) | | | * | .075798 | | 30.378 | 66 | 2528 07266000A |
| (25-PIN) | | SIM AIR | * | 1151.3 | 8 | .002 | 64 | 1154 07268000 |
| | | AIR | * | 4.63299 | 570 | .497 | 64 | 1146 07270000 |
| (CALENDAR) (PAIR) | | GRD | * | 94.3688 | 2550 | .0264 | 62 | 1159 07272000A |
| (OPERATING) (PAIR) | | LAS | * | .000185 | | 5416.9 | 65 | 1204 07274000 |
| | | LAB | * | .002047 | .008039 | 483.83 | 65 | 1204 07276000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 2:1 CONNECTORS

PART DESCRIPTION FUNCTIONAL APPLICATION

-C ELECTRICAL, N.O.C.

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|-------------|--------------|---------------------|-------------|------------|------------|-------------|
| | | | | | | |
| GRD | .003034 | .003726 | 13845 | 63 2240 | 07278000 | |
| GRD | .004136 | .016087 | 2868 | 241.79 | 63 1116 | 07280000 |
| GRD | .011 | | | | 61 2240 | 07282000 |
| GRD | .022651 | .088106 | 39160 | 44.148 | 64 1176 | 07284000 |
| GRD | .023504 | .035466 | 468 | | 57 212 | 07286000 |
| GRD | .03 | | | | 61 212 | 07288000 |
| AIR GND | .030664 | .068287 | 97.834 | 63 217 | 07290000 | |
| GRD | .061983 | .087985 | 242.00 | 61 2240 | 07292000 | |
| AIR GND | .069499 | .15477 | 43.166 | 63 217 | 07294000 | |
| GRD | .07064 | .075729 | 674715 | 4954.7 | 64 1210 | 07296000 |
| MSL | .074074 | .288126 | 13.5 | 58 212 | 07298000 | |
| GRD | .093527 | .187384 | 75731 | 1319 | 63 1164 | 07300000 |
| GRD | .0956 | | | 63 283 | 07302000 | |
| GRD | .15 | | | 61 2240 | 07304000 | |
| AIR | .160915 | .189156 | 416.37 | U 2240 | 07306000 | |
| AIR GND | .164101 | .304398 | 30.469 | 63 217 | 07308000 | |
| LAB | .2 | | | 63 1138 | 07310000 | |
| GRD | .299103 | .666082 | 305 | 10.03 | 63 1189 | 07312000 |
| AIR GND | .371941 | .689928 | 13.443 | 63 217 | 07314000 | |
| AIR | .5 | | | 61 268 | 07316000 | |
| GRD | .62 | | | 64 2837 | 07318000 | |
| GRD | .62383 | 2.42651 | 122 | 1.603 | 66 1230 | 07320000A |
| AIR | .68 | | | 64 2837 | 07322000 | |
| SIM AIR | .7 | 1.17709 | 73.84 | 58 284 | 07324000 | |
| GRD | .759013 | 2.01984 | 9200 | 2.635 | 65 1195 | 07326000A |
| MSL | .8 | | | 60 281 | 07328000 | |
| GRD | .94 | | | 61 2240 | 07330000 | |
| MSL | 1.13378 | 4.41009 | .882 | 59 212 | 07332000 | |
| GRD | 1.24 | | | 61 1079 | 07334000 | |
| SIM AIR | 1.33689 | 2.47986 | 3.74 | 60 1067 | 07336000 | |
| GRD | 1.33892 | 5.208 | 7938 | .74687 | 65 1206 | 07338000A |
| GRD | 1.5 | | | 62 2240 | 07340000 | |
| GRD | 1.52811 | 1.84411 | 32.720 | 62 2240 | 07342000 | |
| GRD | 2 | | 2.25 | 57 283 | 07344000 | |
| GRD | 2 | | | 57 283 | 07346000 | |
| AIR GND | 2.70275 | 3.94144 | 4.8099 | 63 217 | 07348000 | |
| GRD | 2.74804 | 3.4124 | 13.828 | 62 1078 | 07350000 | |
| AIR | 4.18165 | 7.75671 | 19 | 1.1957 | 62 2321 | 07352000 |
| GRD | 4.2735 | 16.6226 | .234 | 62 1078 | 07354000 | |
| GRD | 5.05791 | 7.79255 | 1.9771 | 63 2240 | 07356000 | |
| AIR GND | 6.12571 | 8.93315 | 2.1222 | 63 217 | 07358000 | |
| GRD | 6.8 | | | 61 1079 | 07360000 | |
| AIR | 8.31255 | 32.3333 | 920 | .1203 | 62 1095 | 07362000 |
| GRD | | | | 62 1095 | 07364000 | |

(PER-PIN)

(IC-PIN)

(UNDER-30-PIN)
INTERPHONE-SUBSYSTEM-RADIO-SET-
AN/ARC-57

(OVER-30-PIN)

(SC-PIN)

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 201 CONNECTORS

PART DESCRIPTION FUNCTIONAL APPLICATION

.00 ELECTRICAL, N.C.C.

| ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|-------------|--------------|-------------|-----------------|------------|------------|----------------|
| | | | | | | |
| GRD | 8.35235 | 11.8561 | | 1.7959 | 63 | 2240 07368000 |
| GRD | 8.7 | | | | 58 | 2240 07368000 |
| AIR | 10 | | | | 58 | 2M1 07370000 |
| AIR GND | 11.6504 | 17.2636 | | 1.03 | 60 | 1067 07372000 |
| GRD | 13.6239 | 52.9931 | 3900 | .0734 | 63 | 1159 07374000A |
| AIR | 13.9672 | 14.9166 | 1200 | 27.994 | 62 | 2322 07376000 |
| SUB | 14.8093 | 35.4098 | 570 | .13505 | 65 | 1246 07378000 |
| | 19 | | | | U | 2M28 07380000 |
| GRD | 22.1605 | 31.0963 | | .722 | 60 | 1067 07382000 |
| SIM AIR | 22.869 | | | .481 | 63 | 1103 07384000A |
| SIM AIR | 22.869 | 34.5075 | 7200 | .481 | 63 | 1103 07386000 |
| GRD | 22.9095 | 60.9656 | | .0873 | 62 | 1159 07388000A |
| AIR | 25.1677 | 35.7255 | | .596 | 60 | 1067 07390000 |
| AIR | 30.6148 | 35.3874 | 132 | 2.7111 | 62 | 2322 07392000 |
| AIR | 32.9788 | 46.2766 | 51 | .48516 | 62 | 2321 07394000 |
| MSL | 34.5911 | 52.1954 | | .318 | 58 | 212 07396000 |
| AIR | 51.8702 | 71.3396 | 44 | .34702 | 62 | 2322 07398000 |
| AIR | 52.4225 | 61.7001 | | 1.2590 | 62 | 2240 07400000 |
| AIR | 58.7066 | 69.1853 | 117 | 1.1072 | 62 | 2322 07402000 |
| GRD | 59.2183 | 131.875 | 4050 | .05066 | 62 | 1159 07404000A |
| AIR | 74.3078 | 84.0925 | 122 | 1.3207 | 62 | 2323 07406000 |
| AIR | 94.0026 | 104.622 | 148 | 1.5937 | 62 | 2222 07408000 |
| GRD | 102.88 | 190.837 | 3600 | .0486 | 63 | 1159 07410000A |
| GRD | 107.816 | 286.916 | 1200 | .01835 | 62 | 1159 07412000A |
| AIR | 262.793 | 301.278 | 67 | .35389 | 62 | 2322 07414000 |
| | 2748.53 | 3148.69 | | .0342 | 62 | 2M29 07416000 |
| GEN | .05 | | | | 61 | 2M1 07418000 |
| SHP | .05 | | | | 62 | 2240 07420000 |
| GRD | .06 | | | | U | 2001 07422000 |
| AIR | .09 | | | 31.0 | 57 | 2001 07424000 |
| | .09 | | | | U | 2001 07426000 |
| GRD | .17 | | | | U | 2001 07428000 |
| AIR | .3 | | | | U | 2001 07430000 |
| GRD | .6 | | | | 57 | 2001 07432000 |
| AIR | .7 | | | 10.0 | 56 | 2001 07434000 |
| GRD | .75 | | | | U | 2001 07436000 |
| GRD | .8 | | | | U | 2001 07438000 |
| | 1.5 | | | | U | 2001 07440000 |
| | 1.6 | | | | U | 2001 07442000 |
| | 2.7 | | | | U | 2001 07444000 |
| AIR | 3.6 | | | .525 | 58 | 2001 07446000 |
| AN | 4.5 | | | | 57 | 2001 07448000 |
| | 5 | | | | U | 2001 07450000 |
| AIR | 7.5 | | | | U | 2001 07452000 |

AC-FITTING
AC-POWER

RADAR
RADAR

GENERAL
RADAR
RADIO
RADIO
RADIO
RADIO
RADIO

GENERAL
AUTOMATIC-FLIGHT-CONTROL

GENERAL

ARMY AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

MONOELECTRONIC PART FAILURE RATE DATA

0961 JAN 1 1968

| PART CLASS | 201 CONNECTOR | FUNCTIONAL APPLICATION | FAILURE RATE | UPPER LIMIT | PART LATENCY | PART HOURS | YR RPT | CROSS DATA INDEX | SAGE REF |
|------------|---------------|--------------------------|--------------|-------------|--------------|------------|--------|------------------|-----------|
| AM | | AUTOMATIC-FLIGHT-CONTROL | 9.5 | | | 1.310 | 57 | 2001 | 07484000 |
| AM | | GENERAL | 10 | | | | 57 | 2001 | 07484000 |
| AM | | RADAR | 12 | | | 3.02 | 57 | 2001 | 07484000 |
| AM | | GENERAL | 18 | | | | U | 2001 | 07484000 |
| AM | | RADAR | 30 | | | | U | 2001 | 07484000 |
| AM | | GENERAL | 35 | | | .123 | 56 | 2001 | 07484000 |
| AM | | AUTOMATIC-FLIGHT-CONTROL | 55 | | | | U | 2001 | 07484000 |
| AM | | GENERAL | 90 | | | .099 | U | 2001 | 07484000 |
| AM | | AUTOMATIC-FLIGHT-CONTROL | 110 | | | .055 | 57 | 2001 | 07484000 |
| AM | | GENERAL | 106 | | | | 61 | 212 | 07484000 |
| AM | | AIR GND | .096774 | .21551 | | 31 | 58 | 212 | 07484000 |
| AM | | LAB | .7 | 1.17709 | | 10 | 57 | 712 | 07484000 |
| AM | | GRD | .740741 | 1.01877 | | 24.3 | 61 | 212 | 07484000 |
| AM | | AIR SHP GRD | 3.80952 | 10.1377 | | .525 | 59 | 212 | 07484000 |
| AM | | AIR GND | 4.33 | | | | 59 | 212 | 07484000 |
| AM | | GRD | 6 | | | | 58 | 212 | 07484000 |
| AM | | MSL | 9.92366 | 14.4717 | | 1.31 | 57 | 212 | 07484000 |
| AM | | AIR SHP GRD | 10 | | | | 58 | 212 | 07484000 |
| AM | | AIR GND | 11.2582 | 14.1601 | | 3.02 | 58 | 212 | 07484000 |
| AM | | MSL | 19 | | | | 58 | 212 | 07484000 |
| AM | | MSL | 32.5203 | 64.9882 | | .123 | 57 | 212 | 07484000 |
| AM | | MSL | 53 | | | | 57 | 212 | 07484000 |
| AM | | MSL | 90.909 | 143.494 | | .099 | 57 | 212 | 07484000 |
| AM | | MSL | 109.09 | 191.492 | | .055 | 58 | 212 | 07484000 |
| AM | | MSL | .5 | | | | U | 2001 | 07502000 |
| AM | | SHP | .15 | | | | 62 | 2240 | 07502000 |
| AM | | GEN | .15 | | | | 61 | 2M1 | 07506000 |
| AM | | GEN | .086 | | | | 61 | 2M1 | 07506000 |
| AM | | SHP | .09 | | | | 62 | 2240 | 07510000 |
| AM | | LAB | * | 23.7749 | 189 | .09685 | 64 | 1154 | 07512000 |
| AM | | LAB | * | .828273 | 252 | 2.78 | 66 | 1233 | 07514000A |
| AM | | LAB | <21 | | | | 63 | 1.38 | 07516000 |
| AM | | GRO | 81.2182 | 102.9 | | .394 | 61 | 1081 | 07518000 |
| AM | | AIR GND | .029851 | .11611 | | 33.5 | 62 | 1087 | 07520000 |
| AM | | AIR GND | .06192 | .16477 | | 32.3 | 62 | 1087 | 07522000 |
| AM | | AIR GND | .160377 | .222699 | | 106 | 61 | 1087 | 07524000 |
| AM | | AIR | 40.453 | 157.35 | 48 | .02472 | 65 | 1227 | 07526000 |
| AM | | AIR | 48.6263 | 129.401 | 76 | .04113 | 64 | 1250 | 07528000 |
| AM | | SHP | 1.11 | | | | 62 | 2240 | 07530000 |
| AM | | GEN | 1.11 | | | | 61 | 2M1 | 07532000 |
| AM | | GRD | * | .341106 | 911 | 6.7504 | 64 | 1210 | 07534000 |
| AM | | GRD | .01139 | .017548 | 112438 | 877.99 | 64 | 1210 | 07536000 |
| AM | | GRD | .4561 | .569847 | 10597 | 78.93 | 64 | 1210 | 07538000 |
| AM | | GRD | .1 | | | | 65 | 1251 | 07540000 |
| AM | | GRD | * | 943.688 | | .00244 | 64 | 1180 | 07542000 |

WHE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 221 CONNECTORS

PART DESCRIPTION FUNCTIONAL APPLICATION

CC ELECTRICAL, N.O.C.

UPPER PART. YR CROSS
90 CONF POPU- OF DATA INDEX
LIMIT LATIOM HOURS RPT SRCE REF NO

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART. LATIOM | YR | CROSS |
|--------------------|------------------------|-------------|--------------|-------------|--------------|--------|-------------------|
| COAXIAL | | SAT | * | .681287 | 3.3773 | 66 | 2003 07545000 |
| COAXIAL | | GRD | * | 1387.1 | .00166 | 62 | 1159 07546000A |
| COAXIAL | | LAB | * | 23.9854 | .095 | 65 | 1224 07549000A |
| COAXIAL | | GRD | * | .147376 | 15.624 | 65 | 1205 07550000A |
| COAXIAL | | GRD | * | 1001.13 | .0023 | 62 | 1159 07552000A |
| COAXIAL | | SAT | * | .534618 | 4.307 | 66 | 1252 07554000 |
| COAXIAL | | GEN | .056 | | | 61 | 2N1 07556000 |
| COAXIAL | | SHP | .06 | | | 62 | 2240 07558000 |
| COAXIAL | | LAB | .21 | | | 63 | 1138 07560000 |
| COAXIAL | (PER-PIN) | GRD | .663537 | 1.326 | 714 | 6.0283 | |
| COAXIAL | | GRD | 10.4166 | 40.5177 | | .096 | 62 1210 07562000 |
| COAXIAL | | GRD | 88.8888 | 236.546 | 1500 | .0225 | 62 1159 07566000A |
| COAXIAL | | MSL | .45 | | | 65 | 2440 07568000 |
| COAXIAL, ALL TYPES | (STORAGE) | LAB | * | 31.2047 | 144 | .07379 | 64 1154 07570000 |
| COAXIAL, RF | (STRESS-RATIO .01) | LAB | * | .621317 | 336 | 3.706 | 65 1233 07572000A |
| COAXIAL, RF | | GRD | * | .540643 | 621 | 4.259 | 64 1210 07574000 |
| COAXIAL, SOCKET | | GRD | .013197 | .051334 | | 75.772 | 66 2526 07576000A |
| CRIMPED | (STORAGE) | GRD | * | .096736 | 311 | 23.803 | 63 1116 07578000 |
| CRIMPED | (PER-JUNCTION) | GRD | * | .0199 | 875 | 115.71 | 63 1116 07580000 |
| CRIMPED | (PER-JUNCTION) | GRD | * | 4.5596 | 6 | .505 | 63 1116 07582000 |
| CRIMPED | (PER-JUNCTION) | GRD | .081338 | .142777 | 875 | 73.766 | 63 1116 07584000 |
| CRIMPED, EXTERNAL | (5C-PIN) | LAB | 2 | | | 61 | 1086 07586000 |
| CRIMPED, INTERNAL | (5C-PIN) | LAB | 1 | | | 61 | 1076 07588000 |
| CRIMPED-TERMIAL | | AIR | .035 | | | 62 | 2240 07590000 |
| CRIMPED-TERMIAL | | AIR | .086 | | | 63 | 2240 07592000 |
| CRIMPED-TERMIAL | | AIR | .462107 | 1.02908 | 6.492 | 62 | 2240 07594000 |
| CRIMPED-TERMIAL | | AIR | .5 | | | 62 | 2240 07596000 |
| CRIMPED-TERMIAL | | AIR | .8 | | | 62 | 2240 07598000 |
| CRIMPED-TERMIAL | | AIR | 1 | | | 62 | 2240 07600000 |
| CRIMPED-TERMIAL | | AIR | 1.16 | | | 62 | 2240 07602000 |
| CRIMPED-TERMIAL | | AIR | 3 | | | 62 | 2240 07604000 |
| CRIMPED-TERMIAL | | AIR | 14.7975 | 20.1733 | 1.284 | 62 | 2240 07606000 |
| CRIMPED-TERMIAL | | AIR | 36.7 | | | 57 | 2240 07608000 |
| CRIMPED-TERMIAL | | AIR | 36.7337 | 48.3409 | .65335 | 58 | 2240 07610000 |
| CRIMPED-TERMIAL | | AIR | .5 | | | 65 | 212 07612000 |
| CRIMPED-TERMIAL | | AIR | 3 | | | 58 | 212 07614000 |
| FITTING | | MSL | 4.91 | | | 57 | 211 07616000 |
| FITTING | | AIR | 5 | | | 61 | 212 07618000 |
| FITTING | | AIR GND | 10 | | | 58 | 212 07620000 |
| FITTING | | MSL | 10.204 | 39.6908 | .098 | 57 | 212 07622000 |
| FITTING | | AIR GND | 782 | | | 61 | 212 07624000 |
| GENERAL | COMPUTER | GRD | .001 | | 3974.3 | 59 | 2001 07626000 |
| GENERAL | COMPUTER | GRD | .023 | | 468 | 56 | 2001 07628000 |
| GENERAL | COMPUTER | GRD | .027 | | | U | 2001 07630000 |
| GENERAL | RADAR | AIR | .055 | | 591 | 58 | 2001 07632000 |

RORE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 201 CONNECTORS | UPPER | PART | YR | CROSS |
|-------------------------------|------------------------|--------------|---------|------------|------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | 90 CONF | POPULATION | OF DATA INDEX |
| .00 ELECTRICAL, N.O.C. | | | | | |
| PIN | (PER-PIN) | .019395 | .075532 | 3860 | 63 1104 07723000 |
| PIN | (PER-PIN) | .026466 | .102246 | 3591 | 63 1094 07726000 |
| PIN-STRAIGHT, MALE-AND-FEMALE | (CALENDAR) | * | .093162 | | 63 1204 07723000 |
| PIN-STRAIGHT, MALE-AND-FEMALE | (CALENDAR) | * | .060804 | | 63 1204 07730000 |
| PIN-STRAIGHT, MALE-AND-FEMALE | (OPERATING) | * | .04503 | | 63 1204 07732000 |
| PIN-STRAIGHT, MALE-AND-FEMALE | (STORAGE) | * | .023312 | | 63 1204 07734000 |
| PIN-STRAIGHT, MALE-AND-FEMALE | (PER-PIN) | * | .056168 | 310 | 63 1116 07736000 |
| PIN-STRAIGHT, MALE-AND-FEMALE | (CALENDAR) | * | .003931 | | 63 1204 07738000 |
| PIN-STRAIGHT, MALE-AND-FEMALE | (PER-PIN) | * | .088107 | 310 | 63 1116 07740000 |
| PIN-STRAIGHT, MALE-AND-FEMALE | (OPERATING) | * | 1.62393 | | 63 1204 07742000 |
| PIN-STRAIGHT, MALE-AND-FEMALE | (OPERATING) | * | 1.49132 | | 63 1204 07744000 |
| PIN-TAPER, MALE-AND-FEMALE | (CALENDAR) | * | .121343 | | 63 1204 07746000 |
| PIN-TAPER, MALE-AND-FEMALE | (PER-PIN) | * | .114763 | 238 | 63 1116 07748000 |
| PIN-TAPER, MALE-AND-FEMALE | (STORAGE) | * | .030364 | | 63 1204 07750000 |
| PIN-TAPER, MALE-AND-FEMALE | (CALENDAR) | * | .005121 | | 63 1204 07752000 |
| PIN-TAPER, MALE-AND-FEMALE | (CALENDAR) | * | .079201 | | 63 1204 07754000 |
| PIN-TAPER, MALE-AND-FEMALE | (PER-PIN) | * | .073155 | 238 | 63 1116 07756000 |
| PIN-TAPER, MALE-AND-FEMALE | (OPERATING) | * | .05735 | | 63 1204 07758000 |
| PIN-TAPER, MALE-AND-FEMALE | (OPERATING) | * | 1.94312 | | 63 1204 07760000 |
| PIN/Socket | | * | 58.7397 | 195 | 63 1199 07762000 |
| PIN/Socket | | * | 27.7421 | 657 | 63 1231 07764000 |
| PINS | | * | .060721 | 19863 | 63 1123 07766000 |
| PINS | | .03 | | | 63 116 07768000 |
| PLUG | | .19 | | | 66 216 07770000 |
| PLUG-OR-JACK | | .151803 | .246575 | | 58 212 07772000 |
| PLUG-OR-JACK | | .385356 | 1.02549 | | 58 212 07774000 |
| PLUG-OR-JACK | | .788644 | 1.03189 | | 58 212 07776000 |
| PLUG-OR-JACK | | 1.36452 | 2.29452 | | 58 212 07778000 |
| PLUG-OR-JACK | | 2.15384 | 3.62181 | | 58 212 07780000 |

RIME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 201 CONNECTORS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | PART HOURS | RF DATA INDEX | CROSS REF |
|--------------------------|----------------|---------------------------------|-------------|--------------|---------------------|-------------|------------|---------------|------------|
| PART DESCRIPTION | | | | | | | | | |
| .00 ELECTRICAL, P.O.C. | | | | | | | | | |
| PLUG-GR-JACK | | | AIR GND | 2.18510 | 2.5969 | | 27 | 59 212 | 07 182900 |
| PLUG-GR-JACK | | | AIR GND | 4.54545 | 7.17474 | | 1.98 | 57 212 | 07 184000 |
| PLUG-SOCKET | | | | | | | | 62 2M27 | 07 786000 |
| PLUGS-AND-SOCKETS | | | GRD | .008 | | | | 64 2M20 | 07 788000 |
| PLUGS-AND-SOCKETS | | | AIR | 1.15 | | | | 64 2M20 | 07 790000 |
| PLUGS-AND-SOCKETS | | | GRD | 2.23 | | | | 64 2M20 | 07 792000 |
| PLUGS-AND-SOCKETS | | | GRD | 6.7 | | | | 64 2M20 | 07 794000 |
| POWER-BAYONET-CRIMP | | (STORAGE) | MSL | .02 | | | | 65 2440 | 07 796000 |
| POWER-BAYONET-SOLDER | | (STORAGE) | MSL | .02 | | | | 65 2440 | 07 798000 |
| POWER-RECTIFIER-CRIMP | | (STORAGE) | MSL | .05 | | | | 65 2440 | 07 800000 |
| POWER-RECTIFIER-CRIMP | | (STORAGE) | MSL | .05 | | | | 65 2440 | 07 802000 |
| POWER-RECTIFIER-SOLDER | | (STORAGE) | MSL | .05 | | | | 65 2440 | 07 804000 |
| POWER-RECTIFIER-SOLDER | | (STORAGE) | MSL | .05 | | | | 65 2440 | 07 806000 |
| POWER-THREADED-CRIMP | | (STORAGE) | MSL | .02 | | | | 65 2440 | 07 808000 |
| POWER-THREADED-SOLDER | | (STORAGE) | MSL | .02 | | | | 65 2440 | 07 810000 |
| PRINTED-CIRCUIT | | (STRESS-RATIO=.1) | SIM AIR | * | 3.7013 | 30000 | 7.5 | 64 1154 | 07 812000 |
| PRINTED-CIRCUIT | | (STRESS-RATIO=.1) | LAB | .01 | | | | 61 1086 | 07 814000 |
| PRINTED-CIRCUIT | | (PIN) | GRD | .13507 | .20997 | 1227 | 38.07 | 65 1185 | 07 816000 |
| PRINTED-CIRCUIT | | (LAF=100)86-CONTACTS | GRD | .15 | | | | 63 1098 | 07 818000 |
| PRINTED-CIRCUIT | | (PER-CONTACT-SET) | GRD | .015 | | | | 63 1115 | 07 820000 |
| PIN-AND-SOCKET | | | | | | | | 65 1251 | 07 822000 |
| PRINTED-CIRCUIT-EDGE-ON | | (PER-CONTACT-SET) | GRD | .015 | | | | 65 1251 | 07 824000 |
| PRINTED-CIRCUIT-SOLDERED | | (SC-PIN) | LAB | .5 | | | | 61 1086 | 07 826000 |
| PRINTED-CIRCUIT-VARICON | | (PER-CONTACT-SET) | GRD | .012 | | | | 65 1251 | 07 828000 |
| PRINTED-CIRCUIT-BOARD | | (LF-PIN) | SUB | .5.5555 | 216.094 | 30 | .018 | 64 1161 | 07 830000A |
| PRINTED-CIRCUIT-16-PIN | | (PER-PIN) | LAB | .4 | .234004 | 3341 | 9.54 | 64 1166 | 07 832000 |
| QUICK-DISCONNECT | | AN/AIC-18-INTERPHONE | AIR | 735.101 | 348.941 | 473 | .11427 | 65 1228 | 07 836000 |
| QUICK-DISCONNECT | | AN/AIC-18-INTERPHONE | AIR | 1038.1 | 1191.95 | 406 | .08766 | 64 1179 | 07 838000 |
| QUICK-DISCONNECT | | | MSL | * | 1151.3 | | .002 | 57 212 | 07 840000 |
| QUICK-DISCONNECT | | | AIR | 79.7 | | | | 57 211 | 07 842000 |
| QUICK-DISCONNECT | | AN/AIC-18-INTERPHONE | AIR | 1135.37 | 1197.74 | 597 | .51789 | 67 1272 | 07 844000 |
| QUICK-DISCONNECT | | (PER-PIN) | GRD | .02 | | | | 65 1251 | 07 846000 |
| RACK-AND-PANEL | | | GRD | .1 | | | | 63 1098 | 07 848000 |
| RACK-TYPES-MISCELLANEOUS | | | GRD | .179888 | .213465 | 44797 | 333.54 | 64 1210 | 07 850000 |
| RECTANGULAR-SHELL-TYPE | | | LAB | .159972 | .621855 | 567 | 6.255 | 66 1233 | 07 852000A |
| RECTANGULAR-SHELL-TYPE | | (STRESS-RATIO=.1) | LAB | 8.03083 | 31.2375 | 243 | .12452 | 64 1154 | 07 854000 |
| RF | | | SIM AIR | * | 10.4001 | 1752 | .2314 | 66 1231 | 07 856000 |
| RF | | | SIM AIR | * | 22.0133 | 520 | .1046 | 65 1199 | 07 858000 |
| RF | | CABLE-ASSEMBLY(STRESS-RATIO=.1) | LAB | * | 35.6605 | 124 | .06457 | 64 1154 | 07 860000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1966

| PART CLASS | 201 CONNECTORS | UPPER PART | 90 CONF | POPU- | PART | YR | CROSS |
|-----------------------------|-------------------------------|--------------|---------|---------|--------|----------|-------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | LIMIT | LATION | HOURS | OF DATA | INDEX |
| | | ENVIRONMENT | | | | RPT SRCE | REF NO |
| RF | CABLE-ASSEMBLY | LAB | .308356 | 1.19941 | 294 | 3.243 | 66 1233 0782000 |
| RF | | GRD | .5 | | | | 63 1098 0784000 |
| RF | | GRD | 28.5714 | 111.134 | 11 | .035 | 63 1152 0786000 |
| RF-UG-SERIES | | AIR | .05 | | | | 65 1251 0788000 |
| SIGNAL-CIRCULAR-CRIMP | (STORAGE) | MSL | .01 | | | | 65 2440 0787000 |
| HIGH-DENSITY | | | | | | | |
| SIGNAL-CIRCULAR-CRIMP-MIN | (STORAGE) | MSL | .01 | | | | 65 2440 07872000 |
| SIGNAL-CIRCULAR-SOLDER-MIN | (STORAGE) | MSL | .01 | | | | 65 2440 07874000 |
| SIGNAL-CIRCULAR-SOLDER- | (STORAGE) | MSL | .02 | | | | 65 2440 07876000 |
| HIGH-DENSITY | | | | | | | |
| SIGNAL-EDGE-CRIMP | (STORAGE) | MSL | .05 | | | | 65 2440 07878000 |
| SIGNAL-EDGE-SOLDER | (STORAGE) | MSL | .05 | | | | 65 2440 07880000 |
| SIGNAL-MS316P-22-21S | | GRD | 142.857 | 380.164 | | .014 | 66 1232 07882000A |
| SIGNAL-PIN-SOCKET-CRIMP | (STORAGE) | MSL | .05 | | | | 65 2440 07884000 |
| SIGNAL-PIN-SOCKET-SOLDER | (STORAGE) | MSL | .05 | | | | 65 2440 07886000 |
| SIGNAL-RECTIFIER-CRIMP-MIN | (STORAGE) | MSL | .05 | | | | 65 2440 07888000 |
| SIGNAL-RECTIFIER-CRIMP- | (STORAGE) | MSL | .05 | | | | 65 2440 07890000 |
| HIGH-DENSITY | | | | | | | |
| SIGNAL-RECTIFIER-SOLDER-MIN | (STORAGE) | MSL | .05 | | | | 65 2440 07892000 |
| SIGNAL-RECTIFIER-SOLDER- | (STORAGE) | MSL | .02 | | | | 65 2440 07894000 |
| HIGH-DENSITY | | | | | | | |
| SLIDING-STRIP | | SHP | .03 | | | | 62 2240 07896000 |
| SLIDING-STRIP | | GEN | .03 | | | | 61 2M1 07898000 |
| SOLDERED | (STORAGE) | | | .013604 | 169.26 | | 66 258 07900000A |
| SOLDERED-EXTERNAL | (50-PIN) | LAB | 3 | | | | 61 1086 07902000 |
| SOLDERED-INTERNAL | (50-PIN) | LAB | 2 | | | | 61 1086 07904000 |
| SOLDERED-TERMINAL | | AIR | .24 | 115.13 | 139 | .02 | 63 2240 07906000 |
| SPARK-CAP | TRANSMITTER-RADAR-SYSTEM | SIM GRD AIR | .003865 | 1046 | 595.7 | | 63 1116 07910000 |
| SPRING-PRESSURE | | GRD | .0001 | | | | 63 1138 07912000 |
| STATIC | (PER-PIN) | LAB | | 35.2075 | 325 | .0654 | 65 1139 07914000A |
| STRIPLINE | | SIM AIR | | 1.66372 | 1095 | 1.384 | 66 1231 07916000A |
| STRIPLINE | POWER-SUPPLY/RING-(CALENDAR) | GRD | | .244801 | | 9.506 | 65 1204 07918000 |
| STUD-AND-NUT | POWER-SUPPLY/RING-(STORAGE) | LAB | | .093853 | | 24.534 | 65 1204 07920000 |
| STUD-AND-NUT | POWER-SUPPLY/RING-(OPERATING) | GRD | | 6.54147 | | .352 | 65 1204 07922000 |
| STUD-AND-NUT | POWER-SUPPLY/RING-(OPERATING) | GRD | | 6.01201 | | .383 | 65 1204 07924000 |
| STUD-AND-NUT | POWER-SUPPLY/RING-(CALENDAR) | GRD | | .375077 | | 6.139 | 65 1204 07926000 |
| STUD-AND-NUT | POWER-SUPPLY/RING-(CALENDAR) | LAB | .004873 | .026735 | | 145.49 | 65 1204 07928000 |
| STUD-AND-NUT | POWER-SUPPLY/RING-(CALENDAR) | LAB | .076998 | .299461 | | 13.989 | 65 1204 07930000 |
| STUD-AND-NUT | POWER-SUPPLY/RING-(OPERATING) | GRD | .370782 | 1.44223 | 32 | 2.697 | 63 1116 07932000 |
| STUD-AND-NUT | POWER-SUPPLY-REGULATOR | GEN | .007 | | | | 61 2M1 07934000 |
| TEST | (PER-PIN) | LAB | .05 | | | | 63 1138 07936000 |
| TEST-POINT | | AIR SHP GRD | 8 | | | | 58 212 07938000 |
| TUBE-SOCKET | | MSL | 10 | | | | 58 212 07940000 |
| TUBE-SOCKET | | MSL | 13 | | | | 57 212 07942000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1963

| PART CLASS | 201 CONNECTORS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POPULATION | PART HOURS | YR RPT SRC | CPGSS INDEX |
|-------------------------------------|----------------|--|-------------|--------------|-------------|-----------------|------------|------------|----------------|
| PART DESCRIPTION | | | | | | | | | |
| ELECTRICAL, N.O.C. | | | | | | | | | |
| UMBILICAL (PER-PIN) | | | GRD | .5 | | | | 63 | 1098 07944000 |
| UMBILICAL (PER-PIN) | | | LAB | 2 | | | | 63 | 1138 07944000 |
| 20-PIN GOLD-PLATED | | AUTO-STABILIZATION-EQUIPMENT (STORAGE) | AIR | 3030.3 | 8064.09 | 6 | .00065 | 62 | 1138 07944000 |
| 50-OHM | | | MSL | * | 4014126 | 43853 | 163 | 65 | 1254 07950000 |
| 50-OHM | | | GRD | * | 371.387 | 424 | .0062 | 61 | 1069 07952000A |
| | | | GRD | * | 1485.54 | 121 | .00155 | 61 | 1069 07955000A |
| N.O.C. | | | | | | | | | |
| TUBING, ENGINE-FUEL-AND-PWR-CONTROL | | | AIR | 1.94174 | 7.55281 | 1792 | .515 | 59 | 1110 07956000 |
| FUEL-VENT-SYSTEM | | | AIR | 43.756 | 81.1647 | 473 | .11427 | 65 | 1228 07958000 |
| ELEC-VENT-SYSTEM | | | AIR | 91.2616 | 148.235 | 405 | .08761 | 65 | 1179 07960000 |
| HARNES | | | GRD | 165.975 | 331.682 | 374 | .0241 | 62 | 1113 07962000 |
| | | | SHF | .09 | | | | 62 | 2240 07964000 |
| | | | GEN | .09 | | | | 61 | 2M1 07966000 |
| FIRE-DETECTOR-SYSTEM | | | AIR | 7.11922 | 9.88571 | | 2.38 9 | 66 | 1241 07968000 |
| ELECTRONIC-COOLING-SYSTEM | | | AIR | 6.07902 | 23.6455 | 304 | .164 | 66 | 1250 07970000 |
| ELECTRONIC-COOLING-SYSTEM | | | AIR | 10.1132 | 39.3275 | 192 | .09818 | 65 | 1227 07972000 |
| PRESSURE-NO-2-HYDRAULIC | | | AIR | * | 23.2868 | 192 | .09838 | 65 | 1227 07974000 |
| NO-2-HYDRAULIC | | | AIR | * | 13.9975 | 304 | .164 | 66 | 1250 07976000 |
| FUEL-BODY-TANK | | | AIR | * | 96.4641 | 62 | .02337 | 63 | 1111 07978000 |
| FUEL-SYSTEM | | | AIR | 1.93091 | 7.51066 | 597 | .51739 | 67 | 1272 07980000 |
| FUEL-BODY-TANK | | | AIR | * | 96.4641 | 62 | .02187 | 63 | 1111 07982000 |
| | | | GRD | * | 3.65509 | | .62497 | 64 | 1180 07984000 |
| CASE-DRAIN-NO-1-HYDRAULIC-SYSTEM | | | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 07986000 |
| PILBT-AIR-CONDITIONING | | | AIR | * | 46.3393 | | .04969 | 63 | 1123 07988000 |
| NO-1-HYDRAULIC-SYSTEM | | | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 07990000 |
| NO-2-HYDRAULIC-SYSTEM | | | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 07992000 |
| CASE-DRAIN-NO-2-HYDRAULIC-SYSTEM | | | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 07994000 |
| NO-1-HYDRAULIC-SYSTEM | | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 07996000 |
| NO-2-HYDRAULIC-SYSTEM | | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 07998000 |
| JETTISON-CANOPY | | | AIR | 9.65456 | 17.9086 | 597 | .31789 | 67 | 1272 08000000 |
| ANTI-G-SUIT | | | AIR | 26.2536 | 43.0842 | 946 | .22854 | 65 | 1228 08002000 |
| RUDDER-SYSTEM | | | AIR | 33.7935 | 42.3593 | 1174 | .10357 | 67 | 1272 08004000 |
| RUDDER-SYSTEM | | | AIR | 34.2231 | 60.0735 | 812 | .17532 | 64 | 1179 08006000 |
| ANTI-G-SUIT | | | AIR | 34.2231 | 60.0735 | 812 | .17532 | 64 | 1179 08008000 |
| RUDDER-SYSTEM | | | AIR | 56.8928 | 82.9524 | 946 | .22854 | 65 | 1228 08010000 |
| RECEPT-FUEL-QUANT | | | AIR | 65.6311 | 115.205 | 602 | .09142 | 66 | 1240 08012000A |
| ANTI-G-SUIT | | | AIR | 76.2769 | 88.4561 | 1194 | .10357 | 67 | 1272 08014000 |
| HYDRAULIC-SYSTEM | | | AIR | 79.992 | 129.934 | 384 | .10001 | 66 | 1225 08016000 |
| NO-2-HYDRAULIC | | | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 08018000 |
| CASE-DRAIN-NO-2-HYDRAULIC | | | AIR | 18.237 | 40.6127 | 304 | .1645 | 66 | 1250 08020000 |
| NO-2-HYDRAULIC-SYSTEM | | | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 08022000 |
| NO-2-HYDRAULIC-SYSTEM | | | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 08024000 |
| NO-2-HYDRAULIC-SYSTEM | | | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 08026000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 2 1 CONNECTOR | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART PUPU- LATION | PART HOURS | YP OF DATA | CROSS REF NO |
|-----------------------------|-----------------------|------------------------|-------------|--------------|---------------------|-------------------|------------|------------|--------------|
| -10 N.O.C. | | | | | | | | | |
| QUICK-DISCONNECT-PRESSURE | N0-1-HYDRAULIC-SYSTEM | AIR | 24.3161 | 48.553 | 304 | .1645 | 65 | 1250 | 08020000 |
| QUICK-DISCONNECT-SUCTION | N0-1-HYDRAULIC-SYSTEM | AIR | 6.07902 | 23.6455 | 304 | .1645 | 65 | 1250 | 08030000 |
| QUICK-DISCONNECT-SUCTION | N0-1-HYDRAULIC-SYSTEM | AIR | 10.1132 | 39.3375 | 192 | .09888 | 65 | 1227 | 08032000 |
| SENSOR-OVERHEAT-DUAL | | AIR | 47.7434 | 65.0883 | | .39796 | 66 | 1241 | 08034000 |
| SWIVEL | | AIR | * | 20.1226 | | .115 | 61 | 1084 | 08036000 |
| SWIVEL | STABILIZER-CONTROL | AIR | 30.6122 | 96.4641 | 62 | .02387 | 63 | 1111 | 08038000 |
| SWIVEL | | AIR | 36.8098 | 68.1714 | | .098 | 61 | 1084 | 08040000 |
| SWIVEL | | AIR | 110.061 | 45.2134 | | 1.141 | 61 | 1083 | 08042000 |
| VENT | FUEL-SYSTEM | AIR | | 131.203 | 597 | .51789 | 67 | 1272 | 08044000 |
| -15 HYDRAULIC | | | | | | | | | |
| LANDING-GEAR | | AIR | 710227 | 2.16257 | 4896 | 1.408 | 59 | 1116 | 08046000 |
| PRE-SURE-SUPPLY-ENGINE-PUMP | | AIR | 1.81159 | 4.82092 | 3840 | 1.104 | 59 | 1110 | 08048000 |
| PRE-SURE-SUPPLY-SYSTEM | | AIR | 22.2804 | 30.9385 | 2656 | .763 | 59 | 1112 | 08050000 |
| GROUND-TEST | | AIR | 8.59328 | 17.1727 | 400 | .46542 | 65 | 1198 | 08052000 |
| GROUND-TEST | | AIR | 13.7895 | 23.1875 | 200 | .50763 | 65 | 1198 | 08054000 |
| GROUND-TEST | | AIR | 22.6628 | 36.8121 | 408 | .353 | 63 | 1114 | 08055000 |
| GROUND-TEST | | AIR | 51.1136 | 66.5193 | 300 | .50867 | 63 | 1196 | 08058000 |
| QUICK-DISCONNECT | ENGINE | AIR | 55.5555 | 72.6315 | 300 | .45 | 63 | 1114 | 08060000 |
| QUICK-DISCONNECT | ENGINE | AIR | 2.14822 | 4.78396 | 1200 | 1.3965 | 65 | 1198 | 08062000 |
| QUICK-DISCONNECT | ENGINE | AIR | 3.28321 | 6.09015 | 600 | 1.5229 | 65 | 1198 | 08064000 |
| QUICK-DISCONNECT | ENGINE | AIR | 3.77714 | 7.5482 | 1224 | 1.059 | 63 | 1114 | 08066000 |
| QUICK-DISCONNECT | ENGINE | AIR | 38.9321 | 48.8003 | 600 | .899 | 63 | 1114 | 08068000 |
| QUICK-DISCONNECT | ENGINE | AIR | 42.2687 | 51.79 | 600 | 1.0173 | 63 | 1198 | 08070000 |
| SWIVEL | STEERING-LDG-GEAR | AIR | * | 5.89344 | 200 | .23274 | 65 | 1198 | 08072000 |
| SWIVEL | STEERING-LDG-GEAR | AIR | * | 9.07176 | 100 | .25382 | 65 | 1198 | 08074000 |
| SWIVEL | STEERING-LDG-GEAR | AIR | 40.2684 | 70.6852 | 100 | .149 | 63 | 1114 | 08076000 |
| SWIVEL | STEERING-LDG-GEAR | AIR | 41.2833 | 69.4202 | 100 | .16956 | 63 | 1198 | 08078000 |
| -20 ELECTRICAL, PLUG ONLY | | | | | | | | | |
| AIR | | AIR | * | 135.447 | 5 | .017 | 62 | 1099 | 08080000 |
| GRD | | GRD | * | 371.387 | 484 | .0062 | 61 | 1059 | 08082000A |
| AIR | | AIR | * | 85.2814 | 8 | .027 | 62 | 1093 | 08084000 |
| AIR | | AIR | * | 5.40516 | 17 | .426 | 62 | 1093 | 08086000 |
| AIR | | AIR | * | 14.3018 | 82 | .161 | 62 | 1099 | 08088000 |
| SIM AIR | | SIM AIR | * | 18.1307 | 430 | .127 | 63 | 1108 | 08090000 |
| AIR | | AIR | * | 57.565 | | .04 | 61 | 1066 | 08092000 |
| GRD | | GRD | * | 365.492 | 242 | .0063 | 61 | 1059 | 08094000A |
| AIR | | AIR | * | 383.766 | 4 | .006 | 62 | 1099 | 08096000 |
| AIR | | AIR | * | 15.4 | 15 | .029 | 62 | 1093 | 08098000 |
| AIR | | AIR | * | 255.844 | 4 | .009 | 62 | 1099 | 08100000 |
| AIR | | AIR | * | 39.9271 | 8 | .059 | 62 | 1099 | 08102000 |
| SIM AIR | | SIM AIR | * | 52.3318 | 129 | .044 | 63 | 1108 | 08104000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 201 CONNECTORS

PART DESCRIPTION

FUNCTIONAL APPLICATION

.20 ELECTRICAL, PLUG ONLY

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|---------------------------|------------------------|-------------|--------------|---------------------|-------------------|------------|---------------|----------------|
| •20 ELECTRICAL, PLUG ONLY | | | | | | | | |
| INTERCOM-AN/AIC-18.U92A/U | | | | | | | | |
| AIR | * | * | * | 1.2852 | 32 | 1.787 | 42 | 1099 08106000 |
| AIR | * | * | * | 767.533 | 1 | .003 | 62 | 1099 08108000 |
| AIR | * | * | * | 146.662 | 120 | .0157 | 62 | 1099 08100000A |
| AIR | * | * | * | 127.922 | 4 | .018 | 62 | 1099 08112000 |
| AIR | * | * | * | 46.5736 | 96 | .04944 | 65 | 1227 08114000 |
| AIR | * | * | * | 6.43184 | | .358 | 61 | 1066 08116000 |
| AIR | * | * | * | 767.533 | 1 | .003 | 62 | 1099 08118000 |
| AIR | * | * | * | 14.3912 | 43 | .16 | 62 | 1099 08120000 |
| AIR | * | * | * | 30.2973 | 3 | .076 | 62 | 1099 08122000 |
| AIR | * | * | * | .909041 | 141 | 2.533 | 62 | 1099 08124000 |
| AIR | * | * | * | 6.17319 | 38 | .373 | 62 | 1099 08126000 |
| AIR | * | * | * | 13.871 | 38 | .166 | 62 | 1099 08128000 |
| GRD | * | * | * | 59.5602 | | .03866 | 64 | 1180 08130000 |
| GRD | * | * | * | 859.179 | 242 | .00268 | 61 | 1069 08132000A |
| AIR | * | * | * | 14.1263 | | .163 | 61 | 1066 08134000 |
| AIR | * | * | * | 9.43688 | | .244 | 61 | 1066 08136000 |
| AIR | * | * | * | 14.9519 | 84 | .154 | 62 | 1099 08138000 |
| AIR | * | * | * | 23.1952 | | .098 | 61 | 1066 08140000 |
| AIR | * | * | * | 26.4666 | 17 | .087 | 62 | 1099 08142000 |
| AIR | * | * | * | 127.922 | 4 | .018 | 62 | 1099 08144000 |
| AIR | * | * | * | 18.7203 | | .123 | 61 | 1066 08146000 |
| AIR | * | * | * | 2.68368 | 17 | .258 | 62 | 1099 08148000 |
| GRD | * | * | * | 963.43 | | .00239 | 64 | 1180 08150000 |
| GRD | * | * | * | 371.387 | 484 | .0062 | 61 | 1069 08152000A |
| AIR | * | * | * | 1096.47 | 121 | .0021 | 61 | 1069 08154000A |
| AIR | * | * | * | 23.7381 | 27 | .097 | 62 | 1099 08156000 |
| AIR | * | * | * | 13.871 | 38 | .146 | 62 | 1099 08158000 |
| AIR | * | * | * | 40.3964 | 12 | .057 | 62 | 1099 08160000 |
| GRD | * | * | * | 75.2237 | | .03041 | 64 | 1180 08162000 |
| AIR | * | * | * | 191.883 | | .012 | 61 | 1066 08164000 |
| AIR | * | * | * | 11.6883 | | .197 | 61 | 1066 08166000 |
| AIR | * | * | * | 40.3964 | 12 | .057 | 62 | 1099 08168000 |
| SIM AIR | * | * | * | 7.12875 | 1461 | .323 | 63 | 1108 08170000 |
| AIR | * | * | * | 6.01201 | 39 | .383 | 62 | 1099 08172000 |
| AIR | * | * | * | 14.7602 | 42 | .156 | 62 | 1099 08174000 |
| GRD | * | * | * | 335.167 | 605 | .00687 | 61 | 1069 08176000A |
| AIR | * | * | * | .833671 | 28 | 2.762 | 62 | 1099 08178000 |
| RADAR | | .15 | | | | 52.7 | 57 | 2001 08180000 |
| AIR | | .15 | | | | | 62 | 1069 08182000 |
| GRD | | .31 | | | | | 62 | 1069 08184000 |
| SHF | | .38 | | | | | 62 | 1069 08186000 |
| GRD | | .407955 | .815252 | 580 | 5.19 | 57 | 2001 08190000 | |
| AIR | | .75 | | | 9.805 | 62 | 1099 08192000 | |
| RADAR | | 1.3 | | | 31.7 | 57 | 2001 08194000 | |
| RADAR | | 2.1 | | | 5.13 | 57 | 2001 08196000 | |
| RADAR | | | | | 3.25 | 57 | 2001 08198000 | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 2:1 CONNECTORS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART PGMU- LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------------------|----------------|------------------------|------------------------------------|--------------|---------------------|-------------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | | |
| -2C ELECTRICAL, PLUG ONLY | | | | | | | | | |
| BOMBING/NAVIGATION-EQUIPMENT | | | | | | | | | |
| RADIO | | | | | | | | | |
| AIR SHP | | | AIR | 2.2 | | | 27 | 57 | 2001 08196000 |
| AIR | | | AIR | 2.3 | | | | U | 2001 08198000 |
| AIR | | | AIR | 2.40384 | 9.35024 | 56 | .416 | 62 | 1099 08200000 |
| AIR | | | AIR | 2.47218 | 4.94038 | 311 | 1.618 | 62 | 1093 08202000 |
| AIR | | | AIR | 5 | | | 1.98 | 56 | 2001 08204000 |
| AIR | | | AIR | 9.5 | | | .532 | 55 | 2001 08206000 |
| RADIO | | | | | | | | | |
| AIR SHP | | | AIR | 9.5 | | | | U | 2001 08208000 |
| AIR | | | AIR | 9.80392 | 38.1343 | 4 | .102 | 62 | 1099 08210000 |
| AIR | | | AIR | 12.6582 | 33.6854 | 43 | .158 | 62 | 1093 08212000 |
| AIR | | | AIR | 15.7591 | 31.4929 | 100 | .25382 | 65 | 1158 08214000 |
| AIR | | | AIR | 17.0454 | 37.959 | 204 | .176 | 63 | 1114 08216000 |
| AIR | | | AIR | 20.979 | 46.7188 | | .143 | 61 | 1066 08218000 |
| AIR | | | AIR | 21.4832 | 39.85 | 200 | .23274 | 65 | 1198 08220000 |
| AIR | | | AIR | 22 | | | 1.54 | 56 | 2001 08222000 |
| AIR | | | AIR | 38.4615 | 102.351 | 9 | .052 | 62 | 1099 08224000 |
| AIR | | | AIR | 38.4615 | 102.351 | 9 | .052 | 62 | 1093 08226000 |
| AIR | | | AIR | 86.0215 | 139.727 | 408 | .093 | 63 | 1114 08228000 |
| AIR | | | AIR | 96.7819 | 157.206 | 152 | .08266 | 66 | 1250 08230000 |
| AIR | | | AIR | 105.849 | 131.639 | 7060 | .359 | 65 | 1221 08232000 |
| AIR | | | AIR | 114.617 | 159.156 | 288 | .14832 | 65 | 1227 08234000 |
| AIR | | | AIR | 129.747 | 172.919 | 100 | .16955 | 63 | 1198 08236000 |
| AIR | | | AIR | 140.939 | 189.156 | 100 | .149 | 63 | 1114 08238000 |
| AIR | | | AIR | 166.134 | 187.701 | 600 | .69823 | 65 | 1198 08240000 |
| AIR | | | AIR | 331.444 | 374.27 | 408 | .353 | 63 | 1114 08242000 |
| AIR | | | AIR | 356.558 | 392.981 | 200 | .50763 | 65 | 1198 08244000 |
| AIR | | | AIR | 397.082 | 453.589 | 456 | .2468 | 66 | 1250 08246000 |
| AIR | | | AIR | 560.273 | 616.04 | 200 | .33912 | 63 | 1198 08248000 |
| AIR | | | AIR | 602.006 | 683.683 | 200 | .299 | 63 | 1114 08250000 |
| GRD | | | GRD | * | 78.8291 | | .02921 | 64 | 1180 08252000 |
| GRD | | | GRD | * | .406246 | | 5.668 | 65 | 1204 08254000 |
| GRD | | | GRD | * | 4.55059 | | .506 | 65 | 1204 08256000 |
| GRD | | | GRD | * | 9.63431 | | .239 | 65 | 1204 08258000 |
| GRD | | | GRD | * | 177.123 | | .013 | 65 | 1204 08260000 |
| GRD | | | GRD | * | 154.536 | | .0149 | 65 | 1204 08262000 |
| GRD | | | GRD | * | 6.29125 | | .366 | 65 | 1204 08264000 |
| AIR | | | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 08266000 |
| AIR | | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 08268000 |
| AIR | | | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 08270000 |
| GRD | | | GRD | * | 516.278 | | .00446 | 64 | 1180 08272000 |
| GRD | | | GRD | * | 1157.2 | | .00199 | 64 | 1180 08274000 |
| LAB | | | LAB | * | 287.825 | 2 | .008 | 65 | 1217 08276000 |
| LAB | | | LAB | * | 287.825 | 2 | .008 | 65 | 1217 08278000 |
| LAB | | | LAB | * | 287.825 | 2 | .008 | 65 | 1217 08280000 |
| LAB | | | LAB | * | 215.196 | 2 | .0107 | 65 | 1217 08282000 |
| LAB | | | LAB | * | 43.2819 | 20 | .0532 | 65 | 1217 08284000 |
| COAXIAL | | | | | | | | | |
| MOISTURE-SEAL-26-CONTACT | | | (CALENDAR) | | | | | | |
| MOISTURE-SEAL-55-CONTACT | | | (OPERATING) | | | | | | |
| MOISTURE-SEAL-55-CONTACT | | | (CALENDAR) | | | | | | |
| MOISTURE-SEAL-55-CONTACT | | | (OPERATING) | | | | | | |
| MOISTURE-SEAL-55-CONTACT | | | (OPERATING) | | | | | | |
| MOISTURE-SEAL-55-CONTACT | | | (CALENDAR) | | | | | | |
| PLUGS | | | CONNECTION-BATTERY-DC-POWER-SUPPLY | | | | | | |
| PLUGS | | | CONNECTION-BATTERY-DC-POWER-SUPPLY | | | | | | |
| PLUGS-BATTERY | | | LC-POWER-SUPPLY | | | | | | |
| QUICK-DISCONNECT | | | | | | | | | |
| QUICK-DISCONNECT | | | | | | | | | |
| RECTANGLE-SUB-MIN-26-PIN | | | (77F) | | | | | | |
| RECTANGLE-SUB-MIN-14-PIN | | | (77F) | | | | | | |
| RECTANGLE-SUB-MIN-50-PIN | | | (77F) | | | | | | |
| RECTANGLE-15-PIN | | | (77F) | | | | | | |
| RECTANGLE-23-PIN | | | (77F) | | | | | | |

RJME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 201 CONNECTORS

PART DESCRIPTION FUNCTIONAL APPLICATION

.20 ELECTRICAL, PLUG ONLY

RIGHT-ANGLE
TWIN-POLARIZED
TWIN-POLARIZED
TWIN-POLARIZED
TWIN-POLARIZED

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART PRELATION | PART HOURS | YR MT DATA INDEX | CROSS RPT SRCE REF NR |
|-------------|--------------|---------------------|----------------|------------|------------------|-----------------------|
| GRD | * | 359.219 | | | | |
| SUB | 13.6798 | 53.2106 | 110 | .00641 | 64 | 1180 08286000 |
| SUB | 15.1515 | 58.9348 | 110 | .0731 | 65 | 1246 08288000 |
| SUB | 109.595 | 152.189 | 900 | .066 | 64 | 1161 08290000A |
| SUB | 229.885 | 330.509 | 270 | .15511 | 65 | 1244 08292000 |
| | | | | .0609 | 64 | 1161 08294000A |

.50 ELECTRICAL, RECEPTACLE ONLY

OUTLET-AC-POWER-DISTRIBUTION

| | | | | | | |
|-----|---|---------|------|--------|----|----------------|
| AIR | * | 11.6434 | 304 | .19776 | 65 | 1227 08296000 |
| AIR | * | 7.38312 | | .312 | 61 | 1046 08298000 |
| AIR | * | 4.90959 | | .449 | 61 | 1066 08300000 |
| GRD | * | 130.978 | 1873 | .01758 | 61 | 1069 08302000 |
| AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 08304000 |
| AIR | * | 19.7868 | 190 | .11637 | 65 | 1198 08306000 |
| AIR | * | 6.59562 | 300 | .34981 | 65 | 1198 08308000 |
| AIR | * | 3.62877 | 250 | .62494 | 65 | 1198 08310000 |
| AIR | * | 5.43194 | 250 | .4239 | 63 | 1198 08312000 |
| GRD | * | 38.3128 | 4477 | .0601 | 61 | 1069 08314000A |
| AIR | * | 18.6596 | 228 | .1234 | 66 | 1250 08316000 |
| AIR | * | 2.86037 | | .805 | 61 | 1066 08318000 |
| AIR | * | 13.2333 | | .174 | 61 | 1066 08320000 |
| AIR | * | 2.79781 | 188 | .823 | 62 | 1093 08322000 |
| AIR | * | 2.26344 | 640 | 1.0173 | 63 | 1198 08324000 |
| AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 08326000A |
| AIR | * | 3.80595 | | .605 | 61 | 1066 08328000 |
| AIR | * | 3.40118 | 27 | .677 | 62 | 1093 08330000 |
| AIR | * | 19.1883 | 63 | .12 | 62 | 1093 08332000 |
| AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 08334000 |
| GRD | * | 98.824 | 1331 | .0233 | 61 | 1069 08336000A |
| AIR | * | 21.9295 | 4 | .105 | 62 | 1093 08338000 |
| GRD | * | 28.0121 | 5808 | .0822 | 61 | 1069 08340000A |
| GRD | * | 201.982 | 968 | .0114 | 61 | 1069 08342000A |
| GRD | * | 1771.23 | 121 | .0013 | 61 | 1069 08344000A |
| AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 08346000 |
| AIR | * | 4.90959 | | .469 | 61 | 1066 08348000 |
| AIR | * | 20.1982 | 24 | .114 | 62 | 1093 08350000 |
| AIR | * | 34.5878 | 20 | .046 | 62 | 1093 08352000 |
| AIR | * | 47.9708 | 11 | .048 | 62 | 1093 08354000 |
| AIR | * | 5.13973 | | .448 | 61 | 1066 08356000 |
| AIR | * | 42.6407 | 16 | .054 | 62 | 1093 08358000 |
| AIR | * | 62.9125 | 280 | .0366 | 62 | 1093 08360000A |
| AIR | * | 31.4562 | 560 | .0732 | 62 | 1093 08362000A |
| AIR | * | 21.9295 | | .105 | 61 | 1066 08364000 |
| GRD | * | 97.1561 | 1432 | .0227 | 61 | 1069 08366000A |
| GRD | * | 6.29125 | | .366 | 65 | 1204 08368000 |

EXTERNAL-GROUND-POWER-AC

BATTERY-DC-POWER-SUPPLY

AUTOPILLOT-JUNCTION-BOX

AUTOPILLOT-JUNCTION-BOX

AC-POWER-DISTRIBUTION

OUTLET-DC-POWER-SUPPLY

GROUND-POWER-DELIVERY-AC

OUTLET-DC-POWER-DISTRIBUTOR

OUTLET-SHAVER-DC-POWER

OUTLET-AC-POWER-SUPPLY

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 201 CONNECTORS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|------------|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1969

| PART CLASS | 2.1 CONNECTORS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|--------------------------------|--------------------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|----------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| 50 ELECTRICAL, RECEPTACLE ONLY | | | | | | | | | |
| 110VOLT | EXTERNAL-POWER | | AIR | 61.2584 | 103.009 | 473 | .11427 | 65 | 1228 08460000 |
| 24VOLT | GROUND-AC-POWER-SUPPLY | | AIR | 63.0367 | 102.393 | 50 | .12691 | 65 | 1198 08462000 |
| COAXIAL | GROUND-AC-POWER-SUPPLY | | AIR | 63.6942 | 247.751 | 120 | .0157 | 62 | 1095 08464000 |
| CONC | GROUND-AC-POWER-SUPPLY | | AIR | 64.6666 | 123.662 | 50 | .075 | 63 | 1114 08466000 |
| HERMETIC-SEAL-55-CONTACT | GROUND-AC-POWER-SUPPLY | | AIR | 66.6666 | 259.313 | 68 | .015 | 63 | 1114 08468000 |
| HERMETIC-SEAL-55-CONTACT | EXTERNAL-POWER | | AIR | 68.1818 | 115.682 | 102 | .088 | 63 | 1114 08470000 |
| HERMETIC-SEAL-55-CONTACT | GROUND-AC-POWER-SUPPLY | | AIR | 83.752 | 325.77 | 31 | .01194 | 63 | 1111 08472000 |
| JACKS | EXTERNAL-POWER | | AIR | 103.119 | 152.801 | 100 | .11637 | 65 | 1198 08474000 |
| JACKS | EXTERNAL-POWER | | AIR | 107.115 | 180.12 | | .06535 | 65 | 1188 08476000 |
| JACKS | EXTERNAL-POWER | | AIR | 107.115 | 180.12 | | .06535 | 66 | 1241 08478000A |
| JACKS | GROUND-DC-POWER-SUPPLY | | AIR | 157.591 | 213.104 | 50 | .12691 | 65 | 1198 08480000 |
| JACKS | GROUND-DC-POWER-SUPPLY | | AIR | 182.523 | 256.121 | 406 | .08766 | 64 | 1172 08482000 |
| JACKS | GROUND-DC-POWER-SUPPLY | | AIR | 193.181 | 268.251 | 102 | .088 | 63 | 1114 08484000 |
| JACKS | GROUND-DC-POWER-SUPPLY | | AIR | 212.314 | 292.006 | 50 | .08478 | 63 | 1198 08486000 |
| JACKS | GROUND-DC-POWER-SUPPLY | | AIR | 226.666 | 314.748 | 50 | .075 | 63 | 1114 08488000 |
| JACKS | BOMB-RADAR-ASB36 | | AIR | * | 96.4641 | 62 | .02387 | 63 | 1111 08490000 |
| JACKS | BOMB-RADAR-ASB-36 | | AIR | * | 96.4641 | 62 | .02387 | 63 | 1111 08492000 |
| JACKS | INTERCOM-AN/AIC-18 | | GRD | * | 44.4174 | | .05184 | 64 | 1180 08494000 |
| JACKS | HERMETIC-SEAL-55-CONTACT | | GRD | * | 20.0767 | | .11469 | 64 | 1180 08496000 |
| JACKS | HERMETIC-SEAL-55-CONTACT | | AIR | 19.4505 | 38.8696 | 380 | .20565 | 66 | 1250 08498000 |
| JACKS | HERMETIC-SEAL-55-CONTACT | | GRD | * | 154.536 | | .0149 | 65 | 1204 08500000 |
| JACKS | HERMETIC-SEAL-55-CONTACT | | GRD | * | 4.55059 | | .506 | 65 | 1204 08502000 |
| JACKS | HERMETIC-SEAL-55-CONTACT | | AIR | * | 4.06246 | | 5.668 | 65 | 1204 08504000 |
| JACKS | HERMETIC-SEAL-55-CONTACT | | GRD | * | 177.123 | | .013 | 65 | 1204 08506000 |
| JACKS | HERMETIC-SEAL-55-CONTACT | | GRD | * | 9.63431 | | .239 | 65 | 1204 08508000 |
| JACKS | HERMETIC-SEAL-55-CONTACT | | GRD | * | 6.29125 | | .364 | 65 | 1204 08510000 |
| JACKS | GENERAL | | AIR | .01 | | | | U | 2001 08512000 |
| JACKS | RECEIVER | | SHR | .08 | | | | U | 2001 08514000 |
| JACKS | RECEIVER | | SHR | .1 | | | | U | 2001 08516000 |
| JACKS | RECEIVER | | SHR | .21 | | | | U | 2001 08518000 |
| JACKS | TRANSMITTER | | GRD | .4 | | | 5.184 | 57 | 2001 08520000 |
| JACKS | TRANSMITTER | | SHR | .4 | | | | U | 2001 08522000 |
| JACKS | RECEIVER | | SHR | .5 | | | | U | 2001 08524000 |
| JACKS | TRANSMITTER | | SHR | .6 | | | | U | 2001 08526000 |
| JACKS | RECEIVER | | SHR | .8 | | | | U | 2001 08528000 |
| JACKS | NAVIGATION-AID | | GRD | .8 | | | 31.829 | 57 | 2001 08530000 |
| JACKS | RADAR | | GRD | 2.2 | | | | 57 | 2001 08532000 |
| JACKS | RADAR | | AIR | 2.7 | | | 26.418 | 56 | 2001 08534000 |
| JACKS | RECEIVER | | AIR | 2.8 | | | 1.144 | 55 | 2001 08536000 |
| JACKS | RECEIVER | | SIM AIR | * | 27.7421 | 657 | .083 | 66 | 1231 08538000A |
| JACKS | RECEIVER | | SIM AIR | * | 58.7397 | 195 | .0392 | 65 | 1199 08540000A |
| JACKS | RECEIVER | | SIM AIR | * | 83.1263 | 219 | .0277 | 66 | 1231 08542000A |
| JACKS | RECEIVER | | SIM AIR | * | 175.77 | 65 | .0131 | 65 | 1199 08544000 |
| JACKS | RECEIVER | | GRD | * | 4.06246 | | 5.668 | 65 | 1204 08546000 |
| JACKS | RECEIVER | | GRD | * | 154.536 | | .0149 | 65 | 1204 08548000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

SECTION I FAILURE RATE DATA

JANUARY 1968

PART CLASS 201 CONNECTORS

| PART CLASS | 201 CONNECTORS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER | | PART POPU- LATION | PART HOURS | YR OF DATA | GROSS INDEX |
|--------------------------------------|----------------|------------------------|-------------|--------------|---------------|-----------------|-------------------|------------|------------|-------------|
| | | | | | 90 CONF LIMIT | RPT SRCE REF NO | | | | |
| PART DESCRIPTION | | | | | | | | | | |
| .80 ELECTRICAL, RECEPTACLE ONLY | | | | | | | | | | |
| MOISTURE-SEAL-26-CONTACT (OPERATING) | | GRD | * | | 177.123 | | .013 | 65 | 1204 | 08550000 |
| MOISTURE-SEAL-26-CONTACT (CALENDAR) | | GRD | * | | .406246 | | 5.668 | 65 | 1204 | 08552000 |
| MOISTURE-SEAL-26-CONTACT (OPERATING) | | GRD | * | | 4.55059 | | .506 | 65 | 1204 | 08554000 |
| MOISTURE-SEAL-25-CONTACT (CALENDAR) | | GRD | * | | 6.29125 | | .366 | 65 | 1204 | 08556000 |
| MOISTURE-SEAL-25-CONTACT (OPERATING) | | GRD | * | | 6.29125 | | .366 | 65 | 1204 | 08558000 |
| MOISTURE-SEAL-55-CONTACT (OPERATING) | | GRD | * | | 177.123 | | .013 | 65 | 1204 | 08560000 |
| MOISTURE-SEAL-55-CONTACT (OPERATING) | | GRD | * | | 154.536 | | .0149 | 65 | 1204 | 08562000 |
| MOISTURE-SEAL-55-CONTACT (CALENDAR) | | GRD | * | | .406246 | | 5.668 | 65 | 1204 | 08564000 |
| MOISTURE-SEAL-55-CONTACT (CALENDAR) | | GRD | * | | 9.63431 | | .239 | 65 | 1204 | 08566000 |
| MOISTURE-SEAL-55-CONTACT (OPERATING) | | GRD | * | 1.97628 | 7.68715 | 192 | .506 | 65 | 1204 | 08568000 |
| DC-POWER-DISTRIBUTION (PER-PIN) | | AIR | * | | 23.2868 | 848 | .44393 | 64 | 1151 | 08572000 |
| (PER-PIN) (RC-CB) INTERCOM | | SIM AIR | * | | 5.18685 | 2936 | 3.0402 | 64 | 1150 | 08574000 |
| PLUG-IN | | GRD | * | | .757384 | 490 | .37 | 65 | 1177 | 08576000 |
| RACK/PANEL-SOLDER | | AIR | * | | 6.22324 | 300 | .34911 | 65 | 1198 | 08578000 |
| RACK/PANEL-SOLDER | | LAB | * | | 6.40144 | 75 | .3597 | 65 | 1217 | 08580000 |
| RECTANGLE-15-PIN-SOLDER | | LAB | * | | .842918 | 749 | 2.7317 | 65 | 1217 | 08582000 |
| RECTANGLE-19-PIN-SOLDER | | LAB | * | | 6.40144 | 75 | .3597 | 65 | 1217 | 08584000 |
| RECTANGLE-23-PIN-SOLDER | | LAB | * | | 25.3869 | 28 | .0907 | 65 | 1217 | 08586000 |
| RECTANGLE-23-PIN-SOLDER | | LAB | * | | 115.13 | 6 | .02 | 65 | 1217 | 08588000 |
| RECTANGLE-26-PIN-SOLDER | | LAB | * | | 1.30422 | 480 | 1.7655 | 65 | 1217 | 08590000 |
| RECTANGLE-37-PIN-SOLDER | | LAB | * | | 44.0267 | 10 | .0523 | 65 | 1217 | 08592000 |
| RECTANGLE-50-PIN-SOLDER | | LAB | * | | 5.2095 | 102 | .442 | 65 | 1217 | 08594000 |
| RECTANGLE-57-PIN-SOLDER | | LAB | * | | 44.0267 | 10 | .0523 | 65 | 1217 | 08596000 |
| RECTANGLE-59-PIN-SOLDER | | LAB | * | | 287.825 | 2 | .008 | 65 | 1217 | 08598000 |
| RECTANGLE-7-PIN-SOLDER | | LAB | * | | 287.825 | 2 | .008 | 65 | 1217 | 08600000 |
| RECTANGLE-98-PIN-SOLDER | | LAB | * | | 173.127 | 4 | .0133 | 65 | 1217 | 08602000 |
| RECTANGULAR | | LAB | * | | 30.2973 | 20 | .076 | 65 | 1217 | 08604000 |
| RECTANGULAR MIL-C-3384 | | LAB | * | | 217.226 | 4 | .0106 | 65 | 1217 | 08606000 |
| RECTANGULAR MIL-C-8384 | | LAB | * | | 343.671 | 2 | .0067 | 65 | 1217 | 08608000 |
| TEST | | LAB | * | | 115.13 | 6 | .02 | 65 | 1217 | 08610000 |
| TEST | | LAB | * | | 6.77633 | 100 | .3399 | 65 | 1217 | 08612000 |
| TEST | | SIM AIR | * | | 175.77 | 65 | .0131 | 65 | 1199 | 08614000 |
| TEST | | SIM AIR | * | | 83.1263 | 219 | .0277 | 66 | 1231 | 08616000 |
| TEST | | SIM AIR | * | | 2.77354 | 6570 | .8302 | 66 | 1231 | 08618000 |
| TEST | | SIM AIR | * | | 5.87248 | 1950 | .3921 | 65 | 1199 | 08620000 |
| TEST | | AIR | * | | 55.9834 | 76 | .04113 | 66 | 1250 | 08622000 |
| TEST | | AIR | * | | 93.1472 | 48 | .02472 | 65 | 1227 | 08624000 |
| TEST | | AIR | * | | 192.847 | 31 | .01194 | 63 | 1111 | 08626000 |
| DOPPLER-AN/APN-147 | | | | | | | | | | |
| DOPPLER-AN/APN-147 | | | | | | | | | | |
| AC-POWER-SYSTEM | | | | | | | | | | |

.85 ELECTRICAL, MATED PAIR

| | | | | | | | | |
|-----------------------------------|--|-----|---|---------|----|-------|----|---------------|
| CIRCULAR | | LAB | * | 12.1573 | 54 | .1894 | 65 | 1217 08628000 |
| COAXIAL | | LAB | * | 523.318 | 2 | .0044 | 65 | 117 08630000 |
| MATED-PLUGS-AND-RECEPTACLES-7-PIN | | LAB | * | 43.2007 | 16 | .0533 | 65 | 1217 08632000 |

POME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 201 CONNECTORS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF | | PART LATION HOURS | YR OF DATA | CROSS INDEX | |
|---|----------------|------------------------|-------------|--------------|---------------|------------|-------------------|------------|-------------|-----------|
| | | | | | LIMIT | POPULATION | | | | |
| -85 ELECTRICAL, MATED PAIR | | | | | | | | | | |
| MATED-PLUGS-AND-RECEPTACLES (KV=5,RC=2) | | | | | | | | | | |
| PIN,INTERNAL-LOW-VOLTAGE | | (PER-PIN) | SIM SAT | * | 2055.89 | 1 | .00112 | 65 | 1184 | 08634000A |
| PINS,INTERNAL | | (PER-PIN) | AIR | * | .030337 | 382666 | 75.9 | 66 | 1253 | 08637000A |
| PINS,INTERNAL | | (PER-PIN) | SIM AIR | * | 5.12645 | 858 | .44916 | 64 | 1151 | 08638010A |
| PINS,INTERNAL | | (PER-PIN) | SIM AIR | * | 2.72174 | 144 | .846 | 64 | 1152 | 08640003A |
| PINS,INTERNAL | | (PER-PIN) | SIM AIR | * | 1.20852 | 1840 | 1.9053 | 64 | 1150 | 08642001A |
| PINS,10-VOLTAGE,HERMETIC-SEAL | | (PER-PIN)(JAC=1) | GRD | * | 23.4959 | 172 | .028 | 65 | 1177 | 08644000A |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NONELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 21. CONTROLS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|--------------------------------------|--------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|--------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| APPLIFTER, SPOKE-DETECTION-SYSTEM | AIR | | | * | 93.1472 | 48 | .02472 | 65 | 1227 0854000 |
| BLOCK, PARKING-BRAKE-LANDING-GEAR | AIR | | | * | 46.5736 | 6 | .04944 | 65 | 1227 0864800 |
| BRAKE, PARKING, LANDING-GEAR, MAIN | AIR | | | * | 192.847 | 31 | .01194 | 63 | 1111 0865000 |
| BUSTER, AILERON | AIR | | | * | 81.1346 | 50 | .02838 | 64 | 1144 0865200 |
| ISG-ECG, SEARCH-RADAR, AN/APN-59 | AIR | | | * | 55.9834 | 1 | .04113 | 66 | 1250 0865400 |
| CODER-GROUP, IFF-SET, APX-25 | AIR | | | * | 192.847 | 31 | .01194 | 63 | 1111 0865600 |
| DISPLAY, SIGHT-SYSTEM | AIR | | | * | 82.9165 | 195 | .02775 | 64 | 1181 0865800 |
| TRANSPONDER, IFF-SET, APX-25 | AIR | | | * | 19.2847 | 31 | .1194 | 63 | 1111 0866000 |
| COPIER, RADAR, AN/APN-147 | AIR | | | * | 55.9834 | 76 | .04113 | 66 | 1250 0866200 |
| COPIER, RADAR, AN/APN-147 | AIR | | | * | 93.1472 | 48 | .02472 | 65 | 1227 0866400 |
| DISPLAY, SIGHT-SYSTEM | AIR | | | * | 82.9165 | 195 | .02775 | 64 | 1181 0866600 |
| CODER, IFF-SYSTEM, AN/APX-46 | AIR | | | * | 93.1472 | 48 | .02472 | 65 | 1227 0866800 |
| COPIER, RADAR-SET, APN-89 | AIR | | | * | 192.847 | 31 | .01194 | 63 | 1111 0867000 |
| TV-CAMERA, 14-M | GRD | | | * | 1968.03 | 9 | .00117 | 66 | 1245 0867200 |
| WING-FLAP-DRIVE-ASSEMBLY | AIR | | | * | 15.7868 | 120 | .11637 | 55 | 1198 0867400 |
| INITIATOR, WING-AIR-DROP-SYSTEM | AIR | | | * | 93.1472 | 48 | .02472 | 65 | 1227 0867600 |
| WING-FLAP-DRIVE-ASSEMBLY | AIR | | | * | 18.1435 | 50 | .12691 | 65 | 1198 0867800 |
| ISG-ECG, SEARCH-RADAR, AN/APN-59 | AIR | | | * | 93.1472 | 48 | .02472 | 65 | 1227 0868000 |
| LIAISON-RADIO, ARC-21, ARC-65 | AIR | | | * | 152.847 | 31 | .01194 | 63 | 1111 0868200 |
| INITIATOR, CHUTE-AIR-DROP-SYSTEM | AIR | | | * | 93.1472 | 48 | .02472 | 65 | 1227 0868400 |
| TRANSPONDER, IFF-SYSTEM, AN/APX-46 | AIR | | | * | 93.1472 | 48 | .02472 | 65 | 1227 0868600 |
| TACAN-RADIO, ARN-218 | AIR | | | * | 192.847 | 31 | .01194 | 63 | 1111 0868800 |
| WING-FLAP-DRIVE-ASSEMBLY | AIR | | | * | 27.1597 | 50 | .08478 | 63 | 1198 0869000 |
| WINGFOLD/RING-HINGE-PIN-LOCK | AIR | | | * | 46.3486 | | .04963 | 63 | 1123 0869200 |
| ANTENNA, RADAR | AIR | | | * | 29.8534 | | .07713 | 63 | 1123 0869400 |
| TRANSPONDER, IFF-SYSTEM, AN/APX-46 | AIR | | | * | 55.9834 | 76 | .04113 | 66 | 1250 0869600 |
| COORDINATOR, BASIC-ENGINE | AIR | | | * | 5.53116 | 708 | .55841 | 65 | 1201 0869800 |
| IFF-SYSTEM, AN/APX-25, C-1128 | AIR | | | * | 11.3425 | 102 | .082 | 63 | 1114 0870000 |
| BRAKE, PARKING, LANDING-GEAR | AIR | | | * | 17.1862 | 100 | .11637 | 65 | 1198 0870200 |
| FUEL-SYSTEM, TURBOPROP-POWER-PLANT | AIR | | | * | 19.6987 | 708 | .55841 | 65 | 1201 0870400 |
| FUEL-SYSTEM | AIR | | | * | 20.2265 | 192 | .09888 | 63 | 1227 0870600 |
| GLIDE-SLOPE/MARKER-BEACON, AN/ARN-53 | AIR | | | * | 22.2072 | 1194 | 1.0357 | 67 | 1272 0870800 |
| BRAKE, PARKING, LANDING-GEAR | AIR | | | * | 22.7272 | 102 | .082 | 63 | 1114 0871000 |
| OVERSPEED-TRIP, ATM, AUX-POWER-PLANT | AIR | | | * | 23.6387 | 50 | .12691 | 65 | 1198 0871200 |
| IFF-SYSTEM, AN/APX-25, C-1128 | AIR | | | * | 23.6387 | 50 | .12691 | 65 | 1198 0871400 |
| OVERSPEED-TRIP, ATM, AUX-POWER-PLANT | AIR | | | * | 25.7798 | 100 | .11637 | 65 | 1198 0871600 |
| IFF-SYSTEM, AN/APX-25, C-1128 | AIR | | | * | 26.6668 | 100 | .075 | 63 | 1114 0871800 |
| IFF-SYSTEM, AN/APX-25, C-1128 | AIR | | | * | 31.5183 | 50 | .12691 | 65 | 1198 0872000 |
| FUEL-SYSTEM, TURBOPROP, I-56-A7 | AIR | | | * | 32.113 | 481 | .18884 | 65 | 1198 0872200 |
| TACAN-SYS, AN/ARN-21, C-1763 | AIR | | | * | 32.258 | 126 | .031 | 63 | 1114 0872400 |
| OVERSPEED-TRIP, ATM, AUX-POWER-PLANT | AIR | | | * | 34.0909 | 102 | .082 | 63 | 1114 0872600 |
| IFF-SYSTEM, AN/APX-25, C-1128 | AIR | | | * | 34.0209 | 102 | .082 | 63 | 1114 0872800 |
| BUSTER, ELEVATOR | AIR | | | * | 35.236 | 50 | .02838 | 64 | 1144 0873000 |
| ROSTER, RUDDER | GRD | | | * | 35.236 | 50 | .02838 | 64 | 1144 0873200 |
| IFF-SYSTEM, AN/APX-25, C-1128 | AIR | | | * | 35.3837 | 50 | .08473 | 62 | 1198 0873400 |

CC N.B.C.

8361 AVE

NON-ELECTRONIC PART FAILURE RATE DATA

SECTION I FAILURE RATE DATA

| PART CLASS | 210 CONTROLS | FAILURE RATE | UPPER LIMIT | PART NO. CONF | PART LATITUDE | PART HOURS | YR. DATA INDEX | CROSS REF NO |
|---|------------------------|--------------|-------------|---------------|---------------|------------|----------------|----------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | | | | | | |
| .00 N.O.C. | | | | | | | | |
| IFF-SYSTEM, AN/APX-25, C-1128 | AIR | 25.3457 | 78.8016 | 50 | | 08478 | 63 | 1398 08736000 |
| FIRE/VERHEAT-DETECTION-SYSTEM | AIR | 30.901 | 63.1804 | 388 | | 20563 | 65 | 1258 08738000A |
| ENGINE/AUXILIARY-POWER-UNIT | | | | | | | | |
| COORDINATOR | AIR | 33.5632 | 54.1937 | 400 | | 37916 | 65 | 1201 08740000 |
| IFF-SYSTEM, AN/APX-25, C-1128 | AIR | 40 | 89.0773 | 50 | | 075 | 63 | 1114 08742000 |
| ANTENNA SEARCH-RADAR, AN/APN-59 | AIR | 40.453 | 15.35 | 48 | | 22472 | 65 | 1227 08744000 |
| AUXILIARY TRANSFORMER, DOPPLER, ASN-35 | AIR | 40.453 | 157.35 | 48 | | 02472 | 65 | 1227 08746000 |
| DOPPLER-RADAR, AN/APN-147, C-3747 | AIR | 42.8654 | 79.7 | 100 | | 11637 | 65 | 1198 08748000 |
| OVERSPEED-TRIP, ATM-AUX-POWER-PLANT | AIR | 47.1889 | 94.2857 | 50 | | 08474 | 63 | 1198 08750000 |
| GLIDE-SLOPE-MARKER-BEACON, AN/APN-58 | AIR | 48.1316 | 72.8268 | 946 | | 22854 | 65 | 1228 08752000 |
| FUEL-SYSTEM, TURBOPROP-POWER-PLANT | AIR | 48.307 | 107.754 | 272 | | 062 | 63 | 1114 08754000 |
| FIRE/VERHEAT-DETECTION-SYS, ENG/APU | AIR | 48.5436 | 92.2111 | 248 | | 1238 | 65 | 1227 08756000 |
| FUEL-SYSTEM | AIR | 48.8322 | 78.9951 | 304 | | 1443 | 66 | 1250 08758000 |
| NOZZLE-ACTUATOR, TURBOJET, J-85 | AIR | 49.0869 | 91.0334 | 812 | | 10186 | 66 | 1179 08760000 |
| FUEL-SYSTEM, TURBOPROP-POWER-PLANT | AIR | 52.7509 | 71.3927 | 430 | | 37914 | 65 | 1201 08762000 |
| OVERSPEED-TRIP, ATM-AUX-POWER-PLANT | AIR | 53.3233 | 106.58 | 50 | | 075 | 63 | 1114 08764000 |
| BRAKE-PARKING-LANDING-GEAR | AIR | 55.1571 | 92.7499 | 50 | | 11291 | 65 | 1198 08766000 |
| ALARMS | AIR | 55.162 | 71.2176 | | | 538 | 63 | 2111 08768000 |
| LOCALIZER, AN/APN-52 | AIR | 56.8928 | 82.9524 | 946 | | 22854 | 65 | 1228 08770000 |
| IFF-SYSTEM, AN/APX-25, C-1128 | AIR | 60.1529 | 101.15 | 100 | | 11637 | 65 | 1198 08772000 |
| WINGFOLD-SYSTEM | AIR | 60.5864 | 134.676 | | | 04964 | 63 | 1123 08774000A |
| GLIDE-SLOPE-MARKER-BEACON, AN/APN-58 | AIR | 62.7424 | 94.6734 | 812 | | 17332 | 64 | 1179 08776000 |
| TACAN-SYS, AN/APN-21, C-1763 | AIR | 63.0367 | 102.393 | 50 | | 12591 | 65 | 1198 08778000A |
| FUEL-FLOW, TURBO-ENGINE | AIR | 65.2787 | 81.3035 | 500 | | 5688 | 66 | 1277 08780000 |
| IFF-SYSTEM, AN/APX-25, C-1128 | AIR | 66.6666 | 259.313 | 68 | | 015 | 63 | 1114 08782000 |
| TACAN-SYS, AN/APN-21, C-1763 | AIR | 68.1418 | 119.682 | 102 | | 088 | 63 | 1114 08784000 |
| BRAKE-PARKING-LANDING-GEAR | AIR | 70.7714 | 124.228 | 50 | | 09472 | 63 | 1198 08786000 |
| ANTENNA, TOS-BOSS-COMPUTER | SIM GRD AIR | 72.072 | 191.794 | 195 | | 02775 | 64 | 1181 08788000A |
| AUXILIARY TRANSFORMER, DOPPLER, ASN-35 | AIR | 72.9394 | 162.431 | 76 | | 04113 | 66 | 1250 08790000 |
| ANTENNA-SEARCH-RADAR, AN/APN-59 | AIR | 72.9394 | 162.431 | 76 | | 04113 | 66 | 1250 08792000 |
| INTERPHONE, C-1611 | HELL | 73.5294 | 236.007 | 40 | | 0136 | 66 | 1257 08794000 |
| DE-ICER, WINDSHIELD, AIR-CONDITION-SYS | AIR | 74.0877 | 120.343 | 63 | | 10798 | 63 | 1155 08796000 |
| INTERCON-SYSTEM, AN/AIC-18 | AIR | 75.6347 | 97.4605 | 684 | | 3702 | 66 | 1250 08798000 |
| INDICATORS, CROSS-TRACK-DPLR, AN/APN-35 | AIR | 78.7899 | 121.398 | 50 | | 12691 | 65 | 1198 08800000 |
| 35 | | | | | | | | |
| BURNER-UNIT | AIR | 79.7101 | 120.276 | | | 138 | 59 | 1070 08802000 |
| AN/AIC-20 | SIM GRD AIR | 79.8403 | 212.467 | 195 | | 02505 | 64 | 1181 08804000A |
| BRAKE-PARKING-LANDING-GEAR | AIR | 80 | 140.428 | 50 | | 075 | 63 | 1114 08806000 |
| BRAKE-PARACHUTE-DOP | AIR | 83.752 | 325.77 | 31 | | 01194 | 63 | 1111 08808000 |
| AIR-CONDITIONING | AIR | 83.752 | 325.77 | 31 | | 01194 | 63 | 1111 08810000 |
| RADAR-BEACON, APN-69 | AIR | 83.752 | 325.77 | 31 | | 01194 | 63 | 1111 08812000 |
| TOPOGRAPHICAL-COMPARATOR, RADAR, ASB-9 | AIR | 83.752 | 325.77 | 31 | | 01194 | 63 | 1111 08814000A |
| NOZZLE-ACTUATOR, TURBOJET, J-85 | AIR | 96.2632 | 128.293 | 946 | | 22854 | 65 | 1228 08816000 |
| CODER, IFF-SYSTEM | AIR | 97.2526 | 194.348 | 76 | | 04113 | 66 | 1250 08818000 |
| IFF-SYSTEM, AN/APX-25, C-1128 | AIR | 103.119 | 152.801 | 100 | | 11637 | 65 | 1198 08820000 |

KOMCON AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 21 | CONTROLS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 50 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA RPT SRCE REF NO | CROSS INDEX |
|------------|----|----------|------------------|------------------------|-------------|--------------|---------------------|-------------------|------------|----------------------------|---------------|
| | | | | | AIR | 113.38 | 130.831 | 432 | .22248 | 65 | 1227 08820000 |
| | | | | | AIR | 105.262 | 162.175 | | .095 | 63 | 2120 08524000 |
| | | | | | AIR | 110.47 | 124.695 | 1194 | 1.0557 | 67 | 1272 08820000 |
| | | | | | AIR | 116.609 | 128.98 | 400 | .46548 | 65 | 1198 08820000 |
| | | | | | AIR | 121.359 | 270.238 | 48 | .02472 | 65 | 1227 08830000 |
| | | | | | AIR | 123.326 | 267.39 | 100 | .05676 | 64 | 1144 08830000 |
| | | | | | AIR | 125.484 | 161.238 | 812 | .17532 | 64 | 1179 08830000 |
| | | | | | AIR | 125.68 | 279.992 | 62 | .02387 | 63 | 1111 08830000 |
| | | | | | AIR | 131.262 | 167.651 | 946 | .22854 | 65 | 1228 08830000 |
| | | | | | AIR | 133.333 | 354.82 | 68 | .015 | 63 | 1114 08840000 |
| | | | | | AIR | 133.333 | 354.82 | 68 | .015 | 63 | 1114 08840000 |
| | | | | | AIR | 133.333 | 354.82 | 68 | .015 | 63 | 1114 08840000 |
| | | | | | AIR | 141.585 | 238.084 | 56 | .04944 | 65 | 1227 08840000 |
| | | | | | AIR | 145.878 | 256.268 | 76 | .04113 | 66 | 1250 08840000 |
| | | | | | AIR | 158.035 | 230.463 | 152 | .08226 | 66 | 1250 08850000 |
| | | | | | AIR | 161.473 | 192.49 | 408 | .353 | 63 | 1114 08850000 |
| | | | | | AIR | 161.812 | 223.363 | 48 | .02472 | 65 | 1227 08850000 |
| | | | | | AIR | 161.812 | 320.363 | 48 | .02472 | 65 | 1227 08850000 |
| | | | | | AIR | 167.286 | 192.229 | | .538 | 63 | 2111 08850000 |
| | | | | | AIR | 176.819 | 224.902 | 812 | .17532 | 64 | 1179 08860000 |
| | | | | | AIR | 187.144 | 214.232 | 200 | .50763 | 65 | 1198 08860000 |
| | | | | | SIM GRI AIR | 199.6 | 217.247 | 195 | .02505 | 64 | 1181 08860000 |
| | | | | | AIR | 205.653 | 249.695 | 946 | .22854 | 63 | 1228 08860000 |
| | | | | | AIR | 212.314 | 292.006 | 50 | .08478 | 63 | 1198 08860000 |
| | | | | | AIR | 218.819 | 345.392 | 76 | .04113 | 66 | 1250 08870000 |
| | | | | | AIR | 221.779 | 306.572 | 340 | .077 | 63 | 1114 08870000 |
| | | | | | AIR | 222.45 | 275.434 | 812 | .17532 | 64 | 1179 08870000 |
| | | | | | AIR | 223.037 | 243.044 | 1194 | 1.0557 | 67 | 1272 08870000 |
| | | | | | AIR | 231.761 | 251.091 | 1194 | 1.0357 | 67 | 1272 08870000 |
| | | | | | AIR | 234.526 | 262.797 | 150 | .5671 | 65 | 1195 08880000 |
| | | | | | AIR | 240 | 330.084 | 50 | .075 | 63 | 1114 08880000 |
| | | | | | AIR | 242.718 | 426.055 | 48 | .02472 | 65 | 1227 08880000 |
| | | | | | AIR | 242.718 | 426.055 | 48 | .02472 | 65 | 1227 08880000 |
| | | | | | AIR | 243.131 | 374.584 | 76 | .04113 | 66 | 1250 08880000 |
| | | | | | AIR | 283.171 | 476.169 | 48 | .02472 | 65 | 1227 08890000 |
| | | | | | AIR | 283.578 | 357.944 | 100 | .11637 | 65 | 1198 08890000 |
| | | | | | AIR | 301.115 | 323.750 | | .538 | 63 | 2115 08890000 |
| | | | | | AIR | 319.727 | 357.073 | 510 | .441 | 63 | 1114 08900000 |
| | | | | | AIR | 343.851 | 477.465 | 96 | .04944 | 65 | 1227 08890000 |
| | | | | | SIM GRI AIR | 350.281 | 567.105 | 195 | .02505 | 64 | 1181 08900000 |
| | | | | | HELL | 370.37 | 985.511 | 20 | .0354 | 65 | 1257 08900000 |
| | | | | | AIR | 377.042 | 595.14 | 62 | .02387 | 63 | 1111 08900000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

HYPERELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POSITION LATION | PART HOURS | YR OF DATA RPT SRCE | CROSS INDEX REF |
|--------------|--|------------------------|-------------|--------------|---------------------|----------------------|------------|---------------------|-----------------|
| | | | | | | | | | |
| 211 CONTROLS | UHF-COMMUNICATION-SYSTEM.AN/ARC-90 | | AIR | 413.313 | 519.858 | 132 | .08226 | 66 | 1250 08906000 |
| | WHEEL-47-AUTOMATIC-FLIGHT-CONT-SYSTEM | | AIR | 424.805 | 489.335 | 126 | .2048 | 64 | 1140 08908000 |
| 212 CONTROLS | TACAN-RADIO.AN/ARN-65 | | AIR | 433.493 | 504.437 | 812 | .17532 | 64 | 1179 08910000A |
| | POWER-SUPPLY-SYSTEM | | AIR | 447.518 | 564.875 | | .07374 | 65 | 1188 08912000A |
| 213 CONTROLS | POWER-SUPPLY-SYSTEM | | AIR | 447.518 | 564.875 | | .07374 | 66 | 1241 08914000A |
| | AN/ASN-24-NAVIGATION-COMPUTER | | AIR | 481.481 | 547.812 | | .216 | 63 | 1109 08916000 |
| 214 CONTROLS | FIRE-DETECTION | | AIR | 486.263 | 657.551 | 76 | .04113 | 66 | 1250 08918000 |
| | COMPUTER. | | AIR | 502.512 | 882.085 | 31 | .01194 | 63 | 1111 08920000 |
| 215 CONTROLS | VERTICAL-GYRO-AUTOPILOT.MA-2 | | AIR | 502.512 | 882.085 | 31 | .01174 | 53 | 1111 08922000 |
| | BOMBING-RBMB-NAVIGATION-COMPUTER-ASE-9 | | AIR | 525.889 | 684.393 | 56 | .04944 | 65 | 1227 08924000 |
| 216 CONTROLS | AN/ARN-21C-TACAN-RADIO | | AIR | 529.437 | 596.622 | 946 | .22854 | 65 | 1228 08926000A |
| | TACAN-RADIO.AN/ARN-65 | | AIR | 531.061 | 561.241 | 1194 | .10357 | 67 | 1272 08928000A |
| 217 CONTROLS | TACAN-RADIO.AN/ARN-65 | | AIR | 533.734 | 586.254 | 209 | .33212 | 63 | 1198 08930000 |
| | FUEL-SYSTEM.TURBOPROP-POWER-PLANT | | AIR | 552.995 | 970.7 | 40 | .01085 | 66 | 1257 08932000 |
| 218 CONTROLS | INTERPHONE.C-141 | | HEL | 568.181 | 685.676 | 102 | .088 | 63 | 1114 08934000 |
| | SERVO-AUTOPILOT-SYSTEM | | AIR | 571.906 | 632.13 | 200 | .299 | 63 | 1114 08936000 |
| 219 CONTROLS | FUEL-SYSTEM.TURBOPROP-POWER-PLANT | | AIR | 583.09 | 679.934 | 50 | .12691 | 65 | 1198 08938000 |
| | SERVO-AUTOPILOT-SYSTEM | | AIR | 660.233 | 962.321 | 110 | .01969 | 65 | 1208 08940000 |
| 220 CONTROLS | FUEL-CONSUMPTION-COMPUTER-COMPARATOR | | GRD | 685.77 | 791.97 | | .12249 | 66 | 1241 08942000A |
| | GENERATOR-POWER-SUPPLY-SYSTEM | | AIR | 685.77 | 791.97 | | .12249 | 65 | 1188 08944000 |
| 221 CONTROLS | GENERATOR-POWER-SUPPLY-SYSTEM | | AIR | 723.333 | 1106.54 | 68 | .015 | 63 | 1114 08946000 |
| | INDICATORS.CROSS-TRACK.DPLR.AN/ASN-35 | | AIR | 749.063 | 1593.37 | 36 | .00267 | 66 | 1236 08948000 |
| 222 CONTROLS | CODEP-RECORDER.IFF | | AIR | 837.52 | 1290.33 | 31 | .01194 | 63 | 1111 08950000 |
| | ANTENNA-TILT-MI-SPEED-BOMB-RADAR.ASB36 | | AIR | 990.586 | 1048.99 | 152 | .08224 | 66 | 1250 08952000 |
| 223 CONTROLS | AN/ARN-21C-TACAN-RADIO | | AIR | 928.074 | 1053.32 | 100 | .11637 | 65 | 1198 08954000 |
| | SERVO-AUTOPILOT-SYSTEM | | AIR | 931.823 | 1081.09 | 50 | .08478 | 65 | 1198 08956000 |
| 224 CONTROLS | SERVO-AUTOPILOT-SYSTEM | | AIR | 960 | 1121.88 | 50 | .075 | 63 | 1174 08958000 |
| | AN/ARC-34A.UHF-COMMUNICATION | | AIR | 1037.01 | 1128.78 | 948 | .22854 | 65 | 1228 08960000 |
| 225 CONTROLS | LIAISON-RADIO.ARC-58 | | AIR | 1088.77 | 1587.76 | 31 | .01194 | 63 | 1111 08962000 |
| | DUPPLER-COMPUTER | | AIR | 1100 | 1344.56 | 13 | .04 | 64 | 1153 08964000 |
| 226 CONTROLS | AN/ARC-34A.UHF-COMMUNICATION | | AIR | 1117.95 | 1227.4 | 812 | .17532 | 64 | 1179 08966000 |
| | CABIN-PRESSURE-AUTO | | AIR | 1305.68 | 1813.06 | | .01302 | 66 | 1233 08968000 |
| 227 CONTROLS | AMPLIFIER-FIRE-DETECTION-SYSTEM | | AIR | 1381.33 | 1462.28 | 250 | .375 | 63 | 1114 08970000 |
| | UHF-COMMUNICATION-SYSTEM.AN/ARC-34 | | AIR | 1594.09 | 1645.39 | 1194 | .10357 | 67 | 1272 08972000A |
| 228 CONTROLS | ANTENNA-RIGHT-3A-6414 | | AIR | 1793.72 | 3584.55 | | .00223 | 66 | 1241 08974000 |
| | CAMERA-PARAMETER-AIRCRAFT.SVI4-A | | AIR | 1982.65 | 2511.94 | | .01614 | 66 | 1241 08976000 |
| 229 CONTROLS | SERVO-AUTOPILOT.MA-2 | | AIR | 2093.8 | 2739.63 | 31 | .01194 | 63 | 1111 08978000 |
| | CABIN-PRESSURE | | AIR | 2102.97 | 2503 | | .02758 | 66 | 1231 08980000 |
| 230 CONTROLS | ASN-35-NAVIGATION-COMPUTER-SET | | AIR | 2238.95 | 2446.58 | | .02692 | 65 | 1188 08982000 |
| | COMPUTER-NAVIGATION-SET.AN/ASN-39 | | AIR | 2238.95 | 2446.58 | | .02692 | 66 | 1241 08984000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NONELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 210 CONTROLS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------|--------------|---|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| ACTUATOR-BLEED | | RACAR-SET, IDENTIFICATION, IFS | AIR | 2247.19 | 3944.6 | 36 | .00267 | 66 | 1256 08986000 |
| ACTUATOR-BLEED | | COMPUTER-NAVIGATION-SET | AIR | 2480.44 | 2641.05 | | .17255 | 66 | 1241 08988000 |
| ACTUATOR-BLEED | | CONVERTER-RECEIVER. | AIR | 2621.72 | 4408.57 | 36 | .00267 | 66 | 1256 08990000 |
| ACTUATOR-BLEED | | SEARCH-RADAR | AIR | 3370.78 | 5320.59 | 36 | .00267 | 66 | 1256 08992000 |
| ACTUATOR-BLEED | | COMPUTER-NAVIGATION-SET, ASN-46 | AIR | 3580.56 | 5147.82 | | .00351 | 66 | 1241 08994000 |
| ACTUATOR-BLEED | | POWER SYSTEM, FLIGHT-CONTROL/ MEASUREMENT | AIR | 3745.31 | 5770.26 | 36 | .00267 | 66 | 1256 08996000 |
| ACTUATOR-BLEED | | ANTENNA, LEFT, 0A6413 | AIR | 7575.75 | 11671.7 | | .00132 | 66 | 1241 08998000 |
| ACTUATOR-BLEED | | COMPUTER-CONSOLE-INPUT | AIR | 98214.2 | 117462 | | .00056 | 66 | 1241 09000000 |
| ACTUATOR-BLEED | | ASN-46-NAVIGATION-COMPUTER-SET | AIR | 100000 | 119490 | | .00056 | 65 | 1188 09002000 |
| ACTUATOR-BLEED | | ANTENNA/LIGHT-ELECTRICAL-SYSTEM | AIR | 963.141 | 1095.62 | 63 | .10798 | 65 | 1155 09004000 |
| ACTUATOR-BLEED | | COMPRESSOR-BASIC-ENGINE | AIR | 12.158 | 24.2965 | 608 | .329 | 66 | 1250 09006000 |
| ACTUATOR-BLEED | | COMPRESSOR-BASIC-ENGINE | AIR | 15.1699 | 33.7823 | 384 | .19776 | 65 | 1227 09008000 |
| ACTUATOR-BLEED | | NAVIGATION-707-331B | AIR | 150P | | | | 65 | 2364 09016000 |
| ACTUATOR-BLEED | | NAVIGATION-727 | AIR | 110P | | | | 66 | 2365 09012000 |
| ACTUATOR-BLEED | | NAVIGATION-707-131 | AIR | 12 P | | | | 66 | 2362 09014000 |
| ACTUATOR-BLEED | | NAVIGATION-707-331 | AIR | 170P | | | | 65 | 2362 09016000 |
| ACTUATOR-BLEED | | NAVIGATION-727 | AIR | 170P | | | | 65 | 2363 09018000 |
| ACTUATOR-BLEED | | NAVIGATION-707-131B | AIR | 200P | | | | 66 | 2364 09020000 |
| ACTUATOR-BLEED | | NAVIGATION-707-331B | AIR | 210P | | | | 65 | 2364 09022000 |
| ACTUATOR-BLEED | | NAVIGATION-880 | AIR | 220P | | | | 66 | 2360 09024000 |
| ACTUATOR-BLEED | | NAVIGATION-707-131 | AIR | 230P | | | | 66 | 2362 09026000 |
| ACTUATOR-BLEED | | NAVIGATION-727 | AIR | 240P | | | | 66 | 2363 09028000 |
| ACTUATOR-BLEED | | NAVIGATION-707-331B | AIR | 260P | | | | 66 | 2364 09030000 |
| ACTUATOR-BLEED | | NAVIGATION-707-131B | AIR | 270P | | | | 65 | 2364 09032000 |
| ACTUATOR-BLEED | | NAVIGATION-707-331B | AIR | 270P | | | | 66 | 2362 09034000 |
| ACTUATOR-BLEED | | NAVIGATION-727 | AIR | 280P | | | | 66 | 2362 09036000 |
| ACTUATOR-BLEED | | NAVIGATION-707-131B | AIR | 280P | | | | 66 | 2360 09038000 |
| ACTUATOR-BLEED | | NAVIGATION-707-331 | AIR | 290P | | | | 66 | 2362 09040000 |
| ACTUATOR-BLEED | | NAVIGATION-727 | AIR | 310P | | | | 66 | 2364 09042000 |
| ACTUATOR-BLEED | | NAVIGATION-707-131B | AIR | 330P | | | | 66 | 2363 09044000 |
| ACTUATOR-BLEED | | NAVIGATION-707-331B | AIR | 360P | | | | 66 | 2362 09046000 |
| ACTUATOR-BLEED | | NAVIGATION-707-131B | AIR | 400P | | | | 65 | 2362 09048000 |
| ACTUATOR-BLEED | | NAVIGATION-727 | AIR | 400P | | | | 66 | 2365 09050000 |
| ACTUATOR-BLEED | | NAVIGATION-707-131B | AIR | 400P | | | | 66 | 2364 09052000 |
| ACTUATOR-BLEED | | NAVIGATION-727 | AIR | 410P | | | | 65 | 2360 09054000 |
| ACTUATOR-BLEED | | NAVIGATION-880 | AIR | 450P | | | | 66 | 2360 09056000 |
| ACTUATOR-BLEED | | NAVIGATION-331C/373C | AIR | 460P | | | | 65 | 2360 09058000 |
| ACTUATOR-BLEED | | NAVIGATION-880 | AIR | 480P | | | | 65 | 2360 09060000 |
| ACTUATOR-BLEED | | NAVIGATION-707-131B | AIR | 490P | | | | 65 | 2364 09062000 |
| ACTUATOR-BLEED | | NAVIGATION-707-331B | AIR | 530P | | | | 65 | 2362 09064000 |
| ACTUATOR-BLEED | | NAVIGATION-727 | AIR | 560P | | | | 66 | 2360 09066000 |
| ACTUATOR-BLEED | | NAVIGATION-707-231 | AIR | 620P | | | | 66 | 2362 09068000 |
| ACTUATOR-BLEED | | NAVIGATION-331C/373C | AIR | 900P | | | | 66 | 2360 09070000 |
| ACTUATOR-BLEED | | NAVIGATION-707-131B | AIR | 110P | | | | 66 | 2361 09072000 |

AD N-8.C.

ARMY AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 211 CONTROLS | FAILURE RATE | ENVIRONMENT | UPPER LIMIT | 90 CONF LIMIT | PART POPU-LATION | PART HOURS | Y1 | CROSS OF DATA INDEX RPT SRCE REF NO |
|---------------------|---------------------|--------------|-------------|-------------|---------------|------------------|------------|----|-------------------------------------|
| ADP-UNIT-NAVIGATION | NAVIGATION.727-131 | AIR | 110P | 66 | 2361 | 09074000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 13P | 66 | 2361 | 09076000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331B | AIR | 140P | 66 | 2361 | 09078000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-131B | AIR | 290P | 66 | 2361 | 09081000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331B | AIR | 34P | 66 | 2361 | 09082000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331B | AIR | 35P | 66 | 2361 | 09084000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-131B | AIR | 36P | 66 | 2361 | 09086000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 390P | 66 | 2361 | 09088000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 42P | 66 | 2361 | 09090000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-131 | AIR | 44P | 66 | 2361 | 09092000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-131 | AIR | 65P | 66 | 2361 | 09094000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-131 | AIR | 563.493 | 726.1 | 04369 | 09096000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-131B | AIR | 12P | 66 | 2361 | 09098000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331B | AIR | 170P | 66 | 2361 | 09100000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 31P | 66 | 2361 | 09102000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 63P | 66 | 2361 | 09104000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 16P | 66 | 2361 | 09106000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 170P | 66 | 2361 | 09108000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 18P | 66 | 2361 | 09110000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 43P | 66 | 2361 | 09112000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 45P | 66 | 2361 | 09114000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 76P | 66 | 2361 | 09116000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 683.593 | 800.683 | 63 | 01024 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 1926.29 | 2550.52 | 31 | 011194 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | * | 55.9834 | 76 | 01113 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 287.015 | 317.624 | 500 | 01183 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 323.668 | 353.948 | 250 | 01185 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 813.871 | 872.946 | 250 | 01187 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 200 | 777.94 | 16 | 01189 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 1294.11 | 1724.72 | 64 | 01191 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 1300.57 | 1683.57 | 64 | 01193 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 2300P | 66 | 2361 | 09134000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 80P | 66 | 2361 | 09136000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 84P | 66 | 2361 | 09138000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 110P | 66 | 2361 | 09140000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 180P | 66 | 2361 | 09142000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 190P | 66 | 2361 | 09144000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 200P | 66 | 2361 | 09146000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 210P | 66 | 2361 | 09148000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 240P | 66 | 2361 | 09150000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 270P | 66 | 2361 | 09152000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 340P | 66 | 2361 | 09154000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 910P | 66 | 2361 | 09156000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 1520P | 66 | 2361 | 09158000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 60P | 66 | 2361 | 09160000 | | | |
| ADP-UNIT-NAVIGATION | NAVIGATION.727-331 | AIR | 60P | 66 | 2361 | 09162000 | | | |

SECTION I FAILURE RATE DATA

177

ROME AIR DEVELOPMENT CENTER, GRAIFFISS AFB, M.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 210 CONTROLS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR RPT | CROSS DATA INDEX |
|------------|--------------|-------------------------------------|------------------------|-------------|--------------|-------------|---------------|-------------------|------------|--------|------------------|
| BOX | | TEMPERATURE-AIR-COND.FLIGHT-DECK | | AIR | 133.333 | 354.82 | 68 | | .015 | 63 | 1114 09236000 |
| BOX | | ANTI-SKID-LANDING-GEAR | | AIR | 134.228 | 181.51 | 100 | | .149 | 63 | 1114 09238000 |
| BOX | | ANTI-SKID-LANDING-GEAR | | AIR | 135.645 | 179.601 | 100 | | .18956 | 63 | 1198 09240000 |
| BOX | | FIRE-EXTINGUISHER-SYSTEM | | AIR | 136.363 | 202.063 | 102 | | .088 | 63 | 1114 09242000 |
| BOX | | FIRE-EXTINGUISHER-SYSTEM | | AIR | 149.712 | 204.101 | 50 | | .12691 | 65 | 1198 09244000 |
| BOX | | TOUCHDOWN-WING-SPOILER-SYSTEM | | AIR | 161.812 | 223.363 | 48 | | .02472 | 65 | 1227 09246000 |
| BOX | | LANDING-GEAR | | AIR | 170.454 | 241.959 | 102 | | .088 | 63 | 1114 09248000 |
| BOX | | ANTI-SKID-LANDING-GEAR | | AIR | 177.288 | 202.518 | | | .52777 | 65 | 1198 09250000 |
| BOX | | PHE-EXIT-AIR-CONDITIONING | | AIR | 202.265 | 311.623 | 96 | | .04944 | 65 | 1227 09252000 |
| BOX | | PHE-EXIT-AIR-CONDITIONING | | AIR | 218.818 | 300.951 | 152 | | .08226 | 66 | 1250 09254000 |
| BOX | | LANDING-GEAR | | AIR | 220.628 | 284.295 | 50 | | .12691 | 65 | 1198 09256000 |
| BOX | | ANTI-SKID-LANDING-GEAR | | AIR | 276.688 | 319.852 | 200 | | .23274 | 65 | 1198 09258000 |
| BOX | | ANTI-SKID-LANDING-GEAR | | AIR | 289.772 | 349.028 | 234 | | .176 | 63 | 1114 09260000 |
| BOX | | TIME-DIV-CATA-LINK | | | | | | | | | |
| BOX | | TOUCHDOWN-AMPLIFIER-ENGINE-CONTROLS | | AIR | 290.322 | 399.295 | 272 | | .062 | 63 | 1114 09262000 |
| BOX | | NOSE-STEERING | | AIR | 290.909 | 408.21 | 320 | | .035 | 61 | 1080 09264000A |
| BOX | | ANTI-SKID-LANDING-GEAR | | AIR | 322.58 | 456.988 | 136 | | .031 | 63 | 1114 09266000 |
| BOX | | TEMPERATURE-CARGO-COMP-AIR-COND | | AIR | 323.624 | 525.675 | 48 | | .02472 | 65 | 1227 09268000 |
| BOX | | TOUCHDOWN-AMPLIFIER-ENGINE-CONTROLS | | AIR | 335.137 | 372.21 | 400 | | .43548 | 65 | 1198 09270000 |
| BOX | | TEMPERATURE-AIR-COND-CARGO-COMPT | | AIR | 352.324 | 433.874 | 100 | | .11637 | 65 | 1198 09272000 |
| BOX | | TOUCHDOWN-AMPLIFIER-ENGINE-CONTROLS | | AIR | 360.498 | 397.108 | 200 | | .50763 | 65 | 1198 09274000 |
| BOX | | ANTI-SKID-LANDING-GEAR | | AIR | 366.401 | 420.059 | 100 | | .25382 | 65 | 1198 09276000 |
| BOX | | TOUCHDOWN-AMPLIFIER-ENGINE-CONTROLS | | AIR | 376.77 | 422.188 | 408 | | .353 | 63 | 1114 09278000 |
| BOX | | WINDSHIELD-ANTI-ICE | | AIR | 436.363 | 574.246 | 320 | | .055 | 63 | 1080 09280000A |
| BOX | | TEMPERATURE-FLIGHT-STATION-AIR-COND | | AIR | 444.983 | 671.446 | 43 | | .02472 | 65 | 1227 09282000 |
| BOX | | CANOPY-ANTI-FOG | | AIR | 453.125 | 581.226 | 380 | | .064 | 61 | 1080 09284000A |
| BOX | | LANDING-GEAR | | AIR | 506.666 | 629.156 | 50 | | .075 | 63 | 1114 09286000 |
| BOX | | LANDING-GEAR | | AIR | 507.195 | 621.443 | 50 | | .03478 | 63 | 1198 09288000 |
| BOX | | TEMPERATURE-AIR-COND-FLIGHT-DECK | | AIR | 575.749 | 676.798 | 100 | | .11637 | 65 | 1198 09290000 |
| BOX | | STEERING-LANDING-GEAR-NOSE | | AIR | 603.566 | 654.677 | | | .1458 | 66 | 1241 09292000 |
| BOX | | TEMPERATURE-AIR-COND-CARGO-COMPT | | AIR | 704.545 | 833.659 | 102 | | .088 | 63 | 1114 09294000 |
| BOX | | TEMPERATURE-AIR-COND-CARGO-COMPT | | AIR | 803.719 | 915.621 | 50 | | .12691 | 65 | 1198 09296000 |
| BOX | | ANTI-SKID-LANDING-GEAR | | AIR | 850.96 | 1066.65 | 76 | | .04113 | 66 | 1250 09298000 |
| BOX | | TEMPERATURE-AIR-COND-FLIGHT-DECK | | AIR | 852.272 | 992.778 | 102 | | .088 | 63 | 1114 09300000 |
| BOX | | TEMPERATURE-AIR-COND-FLIGHT-DECK | | AIR | 872.847 | 1017.81 | 50 | | .08478 | 63 | 1198 09302000 |
| BOX | | TEMPERATURE-AIR-COND-FLIGHT-DECK | | AIR | 906.666 | 1064.48 | 50 | | .075 | 63 | 1114 09304000 |
| BOX | | TEMPERATURE-AIR-COND-FLIGHT-DECK | | AIR | 914.033 | 1032.68 | 50 | | .12691 | 65 | 1198 09306000 |
| BOX | | TEMPERATURE-AIR-COND-CARGO-COMPT | | AIR | 1120 | 1293.44 | 50 | | .075 | 63 | 1114 09308000 |
| BOX | | ANTI-SKID-LANDING-GEAR | | AIR | 1132.34 | 1295.31 | 50 | | .08478 | 63 | 1198 09310000 |
| BOX | | TOUCHDOWN-AMPLIFIER-ENGINE-CONTROLS | | AIR | 1298.07 | 1680.73 | | | .0208 | 66 | 1241 09312000 |
| BOX | | TOUCHDOWN-AMPLIFIER-ENGINE-CONTROLS | | AIR | 1300.57 | 1683.97 | | | .02076 | 66 | 1241 09314000 |
| BOX | | TOUCHDOWN-AMPLIFIER-ENGINE-CONTROLS | | AIR | 2040.57 | 2143.38 | 200 | | .33912 | 63 | 1198 09316000 |
| BOX | | ANTI-SKID-LANDING-GEAR | | AIR | 2060.2 | 2170.53 | 200 | | .299 | 63 | 1114 09318000 |
| BOX | | TEMPERATURE-COCKPIT | | AIR | 2386.73 | 2836.42 | 48 | | .02472 | 65 | 1227 09320000 |
| BOX | | | | AIR | 5514.28 | 6058.58 | 320 | | .035 | 61 | 1080 09322000A |

CC N.B.C.

400 N.O.C.

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 210 CONTROLS | | | | | | | | | | |
|-------------------------|------------------------------------|---------------|--------------|---------------------|-----------------|-------------|--------|--------|------------------|-----------|----|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LATION | HOURS | YR RPT | CROSS DATA INDEX | SRCE REF | NO |
| .00 M-6.C. | | | | | | | | | | | |
| BOX. CABIN TEMPERATURE | AIR-CONDITIONING-DCB-21/51 | AIR | 70 | | | | | 66 | 2380 | 09324000 | |
| BOX. TEMPERATURE | CARGO-COMPARTMENT-AIR-CONDITIONING | AIR | 486.263 | 657.551 | 76 | | -04113 | 66 | 1250 | 09326000A | |
| BOX. TEMPERATURE | FLIGHT-STAT-AIR-CONDITIONING | AIR | 137.22 | 1599.29 | 76 | | -04113 | 66 | 1250 | 09328000A | |
| BOX. WATER-SEPARATION | | AIR | 230.974 | 314.886 | 152 | | -08226 | 66 | 1250 | 09330000A | |
| LOW-LIMIT-AIR-CONDITION | | | | | | | | | | | |
| 3BX. WINDSHIELD-HEAT | ANTI-DE-ICE-SYSTEM | AIR | 38.901 | 63.1884 | 380 | | -20565 | 66 | 1250 | 09332000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-131 | AIR | 230P | | | | | 66 | 2362 | 09334000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-131B | AIR | 270P | | | | | 66 | 2364 | 09336000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-131 | AIR | 300P | | | | | 65 | 2362 | 09338000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-331 | AIR | 340P | | | | | 65 | 2362 | 09340000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-331B | AIR | 340P | | | | | 66 | 2364 | 09342000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-131B | AIR | 360P | | | | | 66 | 2364 | 09344000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-331B | AIR | 420P | | | | | 66 | 2361 | 09346000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-131 | AIR | 460P | | | | | 66 | 2361 | 09348000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-331C/373C | AIR | 480P | | | | | 66 | 2360 | 09350000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-331B | AIR | 490P | | | | | 66 | 2362 | 09352000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-331C/373C | AIR | 490P | | | | | 65 | 2365 | 09354000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-331C/373C | AIR | 500P | | | | | 65 | 2365 | 09356000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-131B | AIR | 560P | | | | | 66 | 2365 | 09358000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-331 | AIR | 560P | | | | | 65 | 2364 | 09360000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-131B | AIR | 600P | | | | | 66 | 2361 | 09362000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-131B | AIR | 670P | | | | | 66 | 2364 | 09364000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-131B | AIR | 690P | | | | | 66 | 2362 | 09366000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-331B | AIR | 740P | | | | | 66 | 2361 | 09368000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-131B | AIR | 800P | | | | | 66 | 2362 | 09370000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-131B | AIR | 850P | | | | | 66 | 2361 | 09372000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-331B | AIR | 890P | | | | | 66 | 2362 | 09374000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-131 | AIR | 890P | | | | | 66 | 2361 | 09376000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-131 | AIR | 940P | | | | | 66 | 2364 | 09378000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-331 | AIR | 990P | | | | | 66 | 2364 | 09380000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-131 | AIR | 1010P | | | | | 66 | 2362 | 09382000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-331B | AIR | 1170P | | | | | 66 | 2362 | 09384000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-331 | AIR | 1230P | | | | | 66 | 2364 | 09386000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-331 | AIR | 1240P | | | | | 65 | 2364 | 09388000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-331C/373C | AIR | 1390P | | | | | 66 | 2362 | 09390000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-131B | AIR | 1440P | | | | | 65 | 2360 | 09392000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-131 | AIR | 1640P | | | | | 65 | 2362 | 09394000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-131 | AIR | 2040P | | | | | 65 | 2364 | 09396000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-131 | AIR | 2110P | | | | | 66 | 2364 | 09398000 | |
| CABIN-PRESSURE | AIR-CONDITIONING-707-331B | AIR | 2400P | | | | | 65 | 2364 | 09400000 | |
| CALIBRATION | RADAR | AIR | 1400P | | | | | 65 | 2360 | 09402000 | |
| CATCH | KADAR. TOSS-BOMB-SYSTEM | SIM GRD AIR * | 115.13 | 139 | | | -02 | 63 | 1117 | 09404000 | |
| | PARKING-BRAKE.LANDING-GEAR | SIM GRD AIR | 334.223 | 195 | | | -02775 | 64 | 1181 | 09406000 | |
| | PARKING-BRAKE.LANDING-GEAR | AIR | 46.5736 | 98 | | | -04944 | 65 | 1227 | 09408000 | |
| | PARKING-BRAKE.LANDING-GEAR | AIR | 27.9917 | 152 | | | -08226 | 66 | 1250 | 09410000A | |

ARMED AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

6051 ABY:GVI

| PART CLASS | 21C CONTROLS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART PPHPL- LATION | PART HOURS | YR OF DATA INDEX | CROSS REF SACE REF NO |
|--------------------------------------|-------------------------------|------------------------|-------------|--------------|---------------------|--------------------|------------|------------------|-----------------------|
| CENTERING | PITCH-TRIM-ACTUATOR | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 09412000 |
| CENTERING | PITCH-TRIM-ACTUATOR | AIR | * | 55.9836 | 74 | .04113 | 66 | 1230 | 09414000 |
| CENTERING | AILERON-SYSTEM-FLIGHT-CONTROL | AIR | 35.0048 | 56.8596 | 946 | .22854 | 65 | 1228 | 09416000 |
| CENTERING | AILERON-SYSTEM-FLIGHT-CONTROL | AIR | 57.0385 | 87.8773 | 812 | .17532 | 64 | 1179 | 09418000 |
| CENTRAL | COMM/ID/NAVIGATION-SET-ASQ-88 | AIR | 11428.5 | 22838.7 | | .00035 | 66 | 1241 | 09420000 |
| CHANNEL-SELECTOR | TACAN | AIR | 4119.85 | 6216.53 | 36 | .00267 | 66 | 1256 | 09422000 |
| COMPASS-SLAVING | N-1-COMPASS-SYSTEM | AIR | 15.7591 | 41.9375 | 50 | .12691 | 65 | 1198 | 09424000 |
| COMPASS-SLAVING | N-1-COMPASS-SYSTEM | AIR | 45.4545 | 90.8357 | 102 | .098 | 63 | 1114 | 09426000 |
| COMPASS-SLAVING | N-1-COMPASS-SYSTEM | AIR | 58.9761 | 109.397 | 50 | .08478 | 63 | 1198 | 09428000 |
| COMPASS-SLAVING | N-1-COMPASS-SYSTEM | AIR | 66.6666 | 123.662 | 50 | .075 | 63 | 1114 | 09430000 |
| COMPASS-SLAVING | N-1-COMPASS-SYSTEM | AIR | 129.032 | 257.856 | 136 | .031 | 63 | 1114 | 09432000 |
| COMPASS-SLAVING | N-1-COMPASS-SYSTEM | AIR | 232.501 | 301.265 | 200 | .23274 | 65 | 1198 | 09434000 |
| COMPASS-SLAVING | N-1-COMPASS-SYSTEM | AIR | 753.768 | 1189.78 | 31 | .01194 | 63 | 1111 | 09436000 |
| COMPRESSOR-UNIT | ELECTRICAL-POWER-880 | AIR | 50.7246 | 85.2963 | | .138 | 29 | 1070 | 09438000 |
| CONSTANT-SPEED-DRIVE-OIL-FUEL-COOLER | PROPELLANT-UTILIZATION | AIR | 40P | | | | 66 | 2363 | 09440000 |
| CONTROLLER | AIR-CONDITIONING-727 | LAB | 869.565 | 3382.34 | 18 | .08115 | 61 | 2600 | 09442000 |
| CONTROLLER | AIR-CONDITIONING-727 | AIR | 280P | | | | 66 | 2360 | 09444000 |
| BLEED-AIR-TEMPERATURE | AIR-CONDITIONING-727 | AIR | 960P | | | | 65 | 2360 | 09446000 |
| BLEED-AIR-TEMPERATURE | AIR-CONDITIONING-707-1318 | AIR | 150P | | | | 66 | 2362 | 09448000 |
| CABIN-OUTFLOW-MANUAL | AIR-CONDITIONING-707-1318 | AIR | 160P | | | | 65 | 2362 | 09450000 |
| CABIN-OUTFLOW-MANUAL | AIR-CONDITIONING-707-3318 | AIR | 240P | | | | 66 | 2362 | 09452000 |
| CABIN-OUTFLOW-MANUAL | AIR-CONDITIONING-707-331 | AIR | 310P | | | | 66 | 2362 | 09454000 |
| CABIN-OUTFLOW-MANUAL | AIR-CONDITIONING-707-331 | AIR | 340P | | | | 66 | 2362 | 09456000 |
| CABIN-OUTFLOW-MANUAL | AIR-CONDITIONING-727 | AIR | 2390P | | | | 66 | 2360 | 09458000 |
| CABIN-OUTFLOW-MANUAL | AIR-CONDITIONING-727 | AIR | 2430P | | | | 66 | 2360 | 09460000 |
| CABIN-OUTFLOW-MANUAL | AIR-CONDITIONING-727 | AIR | 2750P | | | | 65 | 2360 | 09462000 |
| CABIN-OUTFLOW-MANUAL | ELECTRICAL-POWER-880 | AIR | 290P | | | | 66 | 2360 | 09464000 |
| CABIN-OUTFLOW-MANUAL | ELECTRICAL-POWER-880 | AIR | 380P | | | | 66 | 2360 | 09466000 |
| CABIN-OUTFLOW-MANUAL | ELECTRICAL-POWER-880 | AIR | 400P | | | | 65 | 2360 | 09468000 |
| CABIN-OUTFLOW-MANUAL | AIR-CONDITIONING-727 | AIR | 150P | | | | 65 | 2365 | 09470000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 211 CONTROLS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER | | PART | PART | YR | CROSS |
|--------------------------------------|--------------|----------------------------|------------------------|-------------|--------------|-------|----------|--------|-------|-----|-------------|
| | | | | | | SC | CONF | POPUL | HOURS | OF | DATA INDEX |
| | | | | | | LIMIT | | LATION | | RPT | SRCF REF NO |
| .CC N.O.C. | | | | | | | | | | | |
| CONTROLLER-BLEED-AIR-TEMPERATURE | | AIR-CONDITIONING-727 | AIR | 200P | 66 | 2365 | 09472000 | | | | |
| CONTROLLER-BLEED-AIR-TEMPERATURE | | AIR-CONDITIONING-727 | AIR | 430P | 66 | 2365 | 09474000 | | | | |
| CONTROLLER-CABIN-OUTFLOW-MANUAL | | AIR-CONDITIONING-727 | AIR | 200P | 66 | 2365 | 09476000 | | | | |
| CONTROLLER-CABIN-OUTFLOW-MANUAL | | AIR-CONDITIONING-727 | AIR | 210P | 66 | 2365 | 09478000 | | | | |
| CONTROLLER-CABIN-PRESSURE-AUTO | | AIR-CONDITIONING-727 | AIR | 1280P | 66 | 2365 | 09480000 | | | | |
| CONTROLLER-CABIN-PRESSURE-AUTO | | AIR-CONDITIONING-727 | AIR | 1520P | 66 | 2365 | 09482000 | | | | |
| CONTROLLER-CABIN-PRESSURE-AUTO | | AIR-CONDITIONING-727 | AIR | 2220P | 66 | 2365 | 09484000 | | | | |
| CONTROLLER-CABIN-PRESSURE | | | AIR | 300P | 65 | 2330 | 09486000 | | | | |
| CONTROLLER-CABIN-PRESSURE | | | AIR | 700P | 65 | 2330 | 09488000 | | | | |
| CONTROLLER-CABIN-RATE | | | AIR | 200P | 65 | 2330 | 09490000 | | | | |
| CONTROLLER-CONSTANT-SPEED-DRIVE-LOAD | | ELECTRICAL-POWER-880 | AIR | 240P | 65 | 2365 | 09492000 | | | | |
| CONTROLLER-CONSTANT-SPEED-DRIVE-LOAD | | ELECTRICAL-POWER-880 | AIR | 300P | 66 | 2365 | 09494000 | | | | |
| CONTROLLER-CONSTANT-SPEED-DRIVE-LOAD | | ELECTRICAL-POWER-880 | AIR | 380P | 66 | 2365 | 09496000 | | | | |
| CONTROLLER-DOPPLER-COMPUTER | | NAVIGATION-331C/373C | AIR | 250P | 66 | 2365 | 09498000 | | | | |
| CONTROLLER-DOPPLER-COMPUTER | | NAVIGATION-331C/373C | AIR | 1160P | 65 | 2360 | 09500000 | | | | |
| CONTROLLER-DOPPLER-COMPUTER | | NAVIGATION-707-331 | AIR | 1180P | 66 | 2362 | 09502000 | | | | |
| CONTROLLER-DOPPLER-COMPUTER | | NAVIGATION-331C/373C | AIR | 1200P | 66 | 2360 | 09504000 | | | | |
| CONTROLLER-DOPPLER-COMPUTER | | NAVIGATION-331C/373C | AIR | 1200P | 65 | 2365 | 09506000 | | | | |
| CONTROLLER-DOPPLER-COMPUTER | | NAVIGATION-331C/373C | AIR | 1500P | 66 | 2335 | 09508000 | | | | |
| CONTROLLER-DOPPLER-COMPUTER | | NAVIGATION-707-331 | AIR | 1540P | 65 | 2362 | 09510000 | | | | |
| CONTROLLER-DOPPLER-COMPUTER | | NAVIGATION-707-331B | AIR | 2180P | 66 | 2362 | 09512000 | | | | |
| CONTROLLER-DOPPLER-COMPUTER | | NAVIGATION-707-331B | AIR | 2320P | 66 | 2362 | 09514000 | | | | |
| CONTROLLER-DOPPLER-COMPUTER | | NAVIGATION-707-331B | AIR | 2370P | 65 | 2362 | 09516000 | | | | |
| CONTROLLER-DOPPLER-COMPUTER | | NAVIGATION-707-331B | AIR | 3550P | 66 | 2362 | 09518000 | | | | |
| CONTROLLER-GEN-LOAD | | ELECTRICAL-POWER-727 | AIR | 180P | 65 | 2360 | 09520000 | | | | |
| CONTROLLER-GEN-LOAD | | ELECTRICAL-POWER-727 | AIR | 190P | 66 | 2360 | 09522000 | | | | |
| CONTROLLER-GEN-LOAD | | ELECTRICAL-POWER-727 | AIR | 370P | 66 | 2360 | 09524000 | | | | |
| CONTROLLER-GENERATOR-LOAD | | ELECTRICAL-POWER-331C/373C | AIR | 120P | 66 | 2360 | 09526000 | | | | |
| CONTROLLER-GENERATOR-LOAD | | ELECTRICAL-POWER-707-131B | AIR | 160P | 65 | 2362 | 09528000 | | | | |
| CONTROLLER-GENERATOR-LOAD | | ELECTRICAL-POWER-707-331B | AIR | 210P | 66 | 2362 | 09530000 | | | | |
| CONTROLLER-GENERATOR-LOAD | | ELECTRICAL-POWER-331C/373C | AIR | 250P | 66 | 2360 | 09532000 | | | | |
| CONTROLLER-GENERATOR-LOAD | | ELECTRICAL-POWER-707-331B | AIR | 350P | 66 | 2362 | 09534000 | | | | |
| CONTROLLER-GENERATOR-LOAD | | ELECTRICAL-POWER-707-131B | AIR | 520P | 66 | 2362 | 09536000 | | | | |
| CONTROLLER-GENERATOR-LOAD | | ELECTRICAL-POWER-707-131B | AIR | 540P | 66 | 2362 | 09538000 | | | | |
| CONTROLLER-GENERATOR-LOAD | | ELECTRICAL-POWER-707-331 | AIR | 540P | 65 | 2362 | 09540000 | | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1958

PART CLASS 210 CONTROLS

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|--------------------------------------|--------------------------|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| CONTROLLER-GENERATOR-LOAD | ELECTRICAL-POWER-707-331 | AIR | 590P | | | | 65 | 2362 09542000 |
| CONTROLLER-GENERATOR-LOAD | ELECTRICAL-POWER-707-331 | AIR | 680P | | | | 65 | 2362 09544000 |
| CONTROLLER-GENERATOR-LOAD | ELECTRICAL-POWER-707-131 | AIR | 680P | | | | 65 | 2362 09546000 |
| CONTROLLER-GENERATOR-LOAD | ELECTRICAL-POWER-707-131 | AIR | 680P | | | | 66 | 2362 09548000 |
| CONTROLLER-GENERATOR-LOAD | ELECTRICAL-POWER-707-131 | AIR | 650P | | | | 66 | 2362 09550000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-707-131B | AIR | 70P | | | | 65 | 2364 09552000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-880 | AIR | 80P | | | | 66 | 2365 09554000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-707-131 | AIR | 110P | | | | 66 | 2362 09556000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-707-131 | AIR | 120P | | | | 66 | 2364 09558000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-707-131 | AIR | 150P | | | | 65 | 2362 09560000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-707-331 | AIR | 170P | | | | 65 | 2362 09562000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-707-331 | AIR | 17P | | | | 65 | 2362 09564000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-707-331 | AIR | 170P | | | | 65 | 2362 09566000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-707-131B | AIR | 220P | | | | 66 | 2362 09568000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-880 | AIR | 220P | | | | 66 | 2362 09570000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-707-331B | AIR | 240P | | | | 66 | 2360 09572000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-707-331C/373C | AIR | 250P | | | | 66 | 2362 09574000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-707-131B | AIR | 270P | | | | 66 | 2365 09576000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-707-131 | AIR | 340P | | | | 66 | 2364 09578000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-707-331B | AIR | 390P | | | | 66 | 2364 09580000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-880 | AIR | 400P | | | | 65 | 2364 09582000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-880 | AIR | 400P | | | | 65 | 2365 09584000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-321C/373C | AIR | 480P | | | | 65 | 2360 09586000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-707-331B | AIR | 530P | | | | 66 | 2360 09588000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-880 | AIR | 530P | | | | 65 | 2362 09590000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-707-331B | AIR | 680P | | | | 66 | 2365 09592000 |
| CONTROLLER-POLAR-PATH | NAVIGATION-707-331B | AIR | 710P | | | | 66 | 2364 09594000 |
| CONTROLLER-BLEED-AIR-TEMPERATURE | AIR-CONDITIONING-727 | AIR | 120P | | | | 66 | 2362 09596000 |
| CONTROLLER-BLEED-AIR-TEMPERATURE | AIR-CONDITIONING-727 | AIR | 340P | | | | 66 | 2363 09598000 |
| CONTROLLER-BLEED-AIR-TEMPERATURE | AIR-CONDITIONING-727 | AIR | 540P | | | | 65 | 2363 09600000 |
| CONTROLLER-CAB-PRESS-AUTO | AIR-CONDITIONING-727 | AIR | 170P | | | | 66 | 2363 09602000 |
| CONTROLLER-CAB-PRESS-AUTO | AIR-CONDITIONING-727 | AIR | 1920P | | | | 65 | 2363 09604000 |
| CONTROLLER-CAB-PRESS-AUTO | AIR-CONDITIONING-727 | AIR | 2120P | | | | 66 | 2363 09606000 |
| CONTROLLER-CONSTANT-SPEED-DRIVE-LOAD | ELECTRICAL-POWER-880 | AIR | 260P | | | | 66 | 2363 09608000 |
| CONTROLLER-CONSTANT-SPEED-DRIVE-LOAD | ELECTRICAL-POWER-880 | AIR | 540P | | | | 66 | 2363 09610000 |
| CONTROLLER-CONSTANT-SPEED-DRIVE-LOAD | ELECTRICAL-POWER-880 | AIR | 540P | | | | 66 | 2363 09612000 |
| CONTROLLER-CONSTANT-SPEED-DRIVE-LOAD | ELECTRICAL-POWER-880 | AIR | 540P | | | | 65 | 2363 09614000 |
| CONTROLLER-DOPPLER-COMPUTER | NAVIGATION-321C/373C | AIR | 560P | | | | 65 | 2363 09616000 |

UO M.O.C.

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 212 CONTROLS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART LATION | PART HOURS | YB | ROSS |
|------------------------------|--------------|---------------------------|-------------|--------------|-------------|-------------|------------|------|---------------|
| PART DESCRIPTION | | | | | | | | | |
| CONTROLLER-COUPPLER-COMPUTER | | NAVIGATION-331C/373C | AIR | 1520P | | | | 2363 | 09619000 |
| CONTROLLER-COUPPLER-COMPUTER | | NAVIGATION-331C/373C | AIR | 1610P | | | | 66 | 2363 09627000 |
| CONTROLLER-COUPPLER-COMPUTER | | NAVIGATION-7-7-3318 | AIR | 1460P | | | | 66 | 2364 09622000 |
| CONTROLLER-COUPPLER-COMPUTER | | NAVIGATION-707-331 | AIR | 1570P | | | | 66 | 2364 09624000 |
| CONTROLLER-COUPPLER-COMPUTER | | NAVIGATION-707-3318 | AIR | 1690P | | | | 65 | 2364 09626000 |
| CONTROLLER-COUPPLER-COMPUTER | | NAVIGATION-707-3318 | AIR | 1880P | | | | 65 | 2364 09628000 |
| CONTROLLER-COUPPLER-COMPUTER | | NAVIGATION-707-331 | AIR | 2160P | | | | 65 | 2364 09630000 |
| CONTROLLER-COUPPLER-COMPUTER | | NAVIGATION-707-331 | AIR | 2520P | | | | 66 | 2364 09632000 |
| CONTROLLER-GEN-LOAD | | ELECTRICAL-POWER-727 | AIR | 410P | | | | 75 | 2365 09634000 |
| CONTROLLER-GEN-LOAD | | ELECTRICAL-POWER-727 | AIR | 540P | | | | 66 | 2365 09636000 |
| CONTROLLER-GEN-LOAD | | ELECTRICAL-POWER-727 | AIR | 710P | | | | 66 | 2365 09638000 |
| CONTROLLER-GEN-LOAD | | ELECTRICAL-POWER-727 | AIR | 340P | | | | 65 | 2365 09640000 |
| CONTROLLER-GEN-LOAD | | ELECTRICAL-POWER-727 | AIR | 390P | | | | 66 | 2363 09642000 |
| CONTROLLER-GEN-LOAD | | ELECTRICAL-POWER-727 | AIR | 430P | | | | 66 | 2363 09644000 |
| CONTROLLER-GENERATOR-LOAD | | ELECTRICAL-POWER-331C/73C | AIR | 240P | | | | 65 | 2365 09646000 |
| CONTROLLER-GENERATOR-LOAD | | ELECTRICAL-POWER-331C/73C | AIR | 280P | | | | 65 | 2363 09648000 |
| CONTROLLER-GENERATOR-LOAD | | ELECTRICAL-POWER-331C/73C | AIR | 380P | | | | 66 | 2363 09650000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-880 | AIR | 230P | | | | 66 | 2363 09652000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-880 | AIR | 270P | | | | 65 | 2363 09654000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-380 | AIR | 500P | | | | 66 | 2363 09656000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-380 | AIR | 760P | | | | 66 | 2363 09658000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 150P | | | | 66 | 2364 09660000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 191.439 | 275.235 | | .07313 | 66 | 1241 09662000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 204.918 | 359.702 | | .02928 | 65 | 1188 09664000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 222.177 | 335.248 | 195 | .04951 | 64 | 1181 09666000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 230P | | | | 65 | 2364 09668000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 257.142 | 405.885 | 139 | .035 | 63 | 1117 09670000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 410P | | | | 65 | 2364 09672000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 427.082 | 537.143 | | .01561 | 63 | 1123 09674000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 450P | | | | 66 | 2364 09676000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 566.343 | 814.239 | 48 | .02472 | 65 | 1227 09678000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 590P | | | | 66 | 2364 09680000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 670P | | | | 66 | 2364 09682000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 715.789 | 840.384 | | .095 | 63 | 2130 09684000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 804.334 | 1012.73 | 76 | .04113 | 63 | 1230 09686000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 874.02 | 1040.28 | | .04636 | 63 | 1188 09688000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 1178.57 | 1487.64 | 245 | .028 | 61 | 1080 09690000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 1520 | | | | 66 | 2360 09692000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 231.39 | 2359.36 | 43 | .00853 | 66 | 1240 09694000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 229.708 | 511.546 | 86 | .01306 | 66 | 1240 09696000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 190P | | | | 66 | 2364 09698000 |
| CONTROLLER-POLAR-PATH | | NAVIGATION-331C/373C | AIR | 240P | | | | 66 | 2364 09700000 |

NAME AIR DES: PERRY, GRIFFISS AFB, N.Y.
SECTION 1: FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART | DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | PART HOURS | YR DATA INDEX | CROSS RPT SRCE REF NO |
|-------------|-------------|---------------------------|-------------|--------------|---------------------|-------------|------------|---------------|-----------------------|
| CONTROLLERS | CONTROLLERS | AIR-CONDITIONING-7.7-131B | AIR | 280P | | | | 66 2364 | 09702000 |
| CONTROLLERS | CONTROLLERS | AIR-CONDITIONING-7.7-331 | AIR | 310P | | | | 65 2364 | 09704000 |
| CONTROLLERS | CONTROLLERS | GENERATOR-115VAC | HELI | 500 | 709.746 | 120 | .03 | 65 1215 | 09706000 |
| CONTROLLERS | CONTROLLERS | AIR-CONDITIONING-7.7-131B | AIR | 110P | | | | 66 2361 | 09708000 |
| CONTROLLERS | CONTROLLERS | AIR-CONDITIONING-7.7-331 | AIR | 280P | | | | 66 2361 | 09710000 |
| CONTROLLERS | CONTROLLERS | AIR-CONDITIONING-7.7-331 | AIR | 280P | | | | 66 2361 | 09712000 |
| CONTROLLERS | CONTROLLERS | NAVIGATION-7.7-331 | AIR | 1670P | | | | 66 2361 | 09714000 |
| CONTROLLERS | CONTROLLERS | NAVIGATION-7.7-331B | AIR | 2030P | | | | 65 2361 | 09716000 |
| CONTROLLERS | CONTROLLERS | NAVIGATION-7.7-331 | AIR | 2320P | | | | 65 2361 | 09718000 |
| CONTROLLERS | CONTROLLERS | NAVIGATION-7.7-331B | AIR | 2550P | | | | 66 2361 | 09720000 |
| CONTROLLERS | CONTROLLERS | NAVIGATION-7.7-331 | AIR | 2500P | | | | 66 2361 | 09722000 |
| CONTROLLERS | CONTROLLERS | NAVIGATION-7.7-331B | AIR | 2500P | | | | 66 2361 | 09724000 |
| CONTROLLERS | CONTROLLERS | AUTO-STAR-EQUIPMENT | AIR | 4610.52 | 4905.44 | | .055 | 62 2126 | 09726000 |
| CONTROLLERS | CONTROLLERS | | HELI | 1333.33 | 1646.33 | 120 | .03 | 65 1215 | 09728000 |
| CONTROLLERS | CONTROLLERS | | SAT | * | 639.611 | | .0036 | 62 1136 | 09730000 |
| CONTROLLERS | CONTROLLERS | | AIR | 165.724 | 230.123 | | .10258 | 65 1188 | 09732000 |
| CONTROLLERS | CONTROLLERS | | AIR | 138.388 | 243.798 | | .0532 | 65 1241 | 09734000 |
| CONTROLLERS | CONTROLLERS | | AIR | 153.139 | 595.666 | 43 | .00453 | 66 1240 | 09736000 |
| CONTROLLERS | CONTROLLERS | | AIR | 76.5656 | 297.833 | 86 | .01306 | 66 1240 | 09738000 |
| CONTROLLERS | CONTROLLERS | AUTOPILOT-SYSTEM | AIR | 204.545 | 281.321 | 102 | .028 | 63 1114 | 09740000 |
| CONTROLLERS | CONTROLLERS | AUTOPILOT-SYSTEM | AIR | 212.749 | 275.464 | 50 | .12691 | 65 1196 | 09742000 |
| CONTROLLERS | CONTROLLERS | AUTOPILOT-SYSTEM | AIR | 223.425 | 290.762 | 100 | .11637 | 65 1198 | 09744000 |
| CONTROLLERS | CONTROLLERS | AUTOPILOT-SYSTEM | AIR | 259.415 | 345.839 | 50 | .08479 | 63 1198 | 09746000 |
| CONTROLLERS | CONTROLLERS | AUTOPILOT-SYSTEM | AIR | 280 | 372.79 | 50 | .075 | 63 1114 | 09748000 |
| CONTROLLERS | CONTROLLERS | AUTOPILOT-SYSTEM | AIR | 506.264 | 645.837 | 31 | .01194 | 63 1111 | 09750000 |
| CONTROLLERS | CONTROLLERS | AUTOPILOT-SYSTEM | AIR | 1036.85 | 1118.72 | 75 | .28355 | 65 1196 | 09752000 |
| CONTROLLERS | CONTROLLERS | | AIR | .0085 | | | | 61 2231 | 09754000 |
| CONTROLLERS | CONTROLLERS | | AIR | 77.2424 | 89.5307 | 1 | 1.0257 | 67 1272 | 09756000 |
| CONTROLLERS | CONTROLLERS | | AIR | 96.2622 | 128.293 | 946 | .22854 | 65 1228 | 09758000 |
| CONTROLLERS | CONTROLLERS | | AIR | 102.660 | 141.206 | 812 | .1732 | 64 1179 | 09760000 |

ROME AIR DEVELOPMENT CENTER, GRADISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LATION HOURS | YR OF DATA | CROSS REF NO |
|--------------------------------|------------------|------------------------|-------------|--------------|---------------------|-----------------|-------------------|------------|----------------|
| | | | | | | | | | |
| AIR-CONDITIONING | | | | | | | | | |
| CONTROLLERS-FREQUENCY | | | AIR | 195.732 | 221.757 | 150 | .5671 | 65 | 1196 09762000 |
| CONTROLLERS-FREQUENCY | | | AIR | 571.423 | 772.717 | 320 | .0935 | 61 | 1030 09762000A |
| CONTROLLERS-FREQUENCY AND-LOAD | | | AIR | 307.705 | 329.906 | 300 | 1.1342 | 65 | 1196 09762000 |
| CONTROLLERS-FREQUENCY AND-LOAD | | | AIR | 333.333 | 467.741 | 124 | .042 | 63 | 1111 09768000 |
| CONTROLLERS-FREQUENCY AND-LOAD | | | AIR | 357.142 | 662.478 | 48 | .014 | 59 | 1110 09770000 |
| ELECTRICAL SYSTEM | | | | | | | | | |
| CONTROLLERS-MAIN | | | AIR | 76.5696 | 297.833 | 86 | .01306 | 66 | 1240 09772000A |
| CONTROLLERS-MAIN | | | AIR | 200P | | | | 66 | 2361 09774000 |
| CONTROLLERS-MAIN | | | AIR | 260P | | | | 65 | 2361 09776000 |
| CONTROLLERS-MAIN | | | AIR | 280P | | | | 66 | 2361 09778000 |
| CONTROLLERS-MAIN | | | AIR | 320P | | | | 65 | 2361 09780000 |
| CONTROLLERS-MAIN | | | AIR | 440P | | | | 66 | 2361 09782000 |
| CONTROLLERS-MAIN | | | AIR | 510P | | | | 66 | 2361 09784000 |
| CONTROLLERS-MAIN | | | AIR | 170P | | | | 65 | 2361 09786000 |
| CONTROLLERS-MAIN | | | AIR | 210P | | | | 66 | 2364 09788000 |
| CONTROLLERS-MAIN | | | AIR | 230P | | | | 66 | 2364 09790000 |
| CONTROLLERS-MAIN | | | AIR | 240P | | | | 65 | 2364 09792000 |
| CONTROLLERS-MAIN | | | AIR | 280P | | | | 66 | 2361 09794000 |
| CONTROLLERS-MAIN | | | AIR | 300P | | | | 65 | 2361 09796000 |
| CONTROLLERS-MAIN | | | AIR | 320P | | | | 66 | 2361 09798000 |
| CONTROLLERS-MAIN | | | AIR | 330P | | | | 66 | 2364 09800000 |
| CONTROLLERS-MAIN | | | AIR | 370P | | | | 66 | 2361 09802000 |
| CONTROLLERS-MAIN | | | AIR | 420P | | | | 65 | 2364 09804000 |
| CONTROLLERS-MAIN | | | AIR | 510P | | | | 66 | 2361 09806000 |
| CONTROLLERS-MAIN | | | AIR | 590P | | | | 66 | 2364 09808000 |
| CONTROLLERS-MAIN | | | SIM GRD AIR | 131.781 | 286.931 | 195 | .04951 | 64 | 1181 09810000A |
| CONTROLLERS-MAIN | | | AIR | 29.0953 | 36.7254 | 300 | 1.1342 | 65 | 1196 09812000 |
| WINDSHIELD | | | | | | | | | |
| CONTROLLERS-INDICATOR | | | AIR | 110.502 | 126.59 | 225 | .85066 | 65 | 1196 09814000 |
| CONTROLLERS-INDICATOR | | | AIR | 118.193 | 167.775 | 50 | .12691 | 65 | 1198 09816000 |
| CONTROLLERS-INDICATOR | | | AIR | 481.223 | 574.585 | 100 | .11637 | 65 | 1198 09818000 |
| CONTROLLERS-INDICATOR | | | AIR | 666.666 | 1027.11 | 68 | .015 | 63 | 1114 09820000 |
| CONTROLLERS-INDICATOR | | | HELI | 600 | 825.21 | 120 | .02 | 65 | 1215 09822000 |
| PROPULSION SYSTEM | | | | | | | | | |
| CONTROLLERS-LOAD-AC-POWER | | | AIR | 101.132 | 155.811 | 192 | .09886 | 65 | 1227 09824000 |
| CONTROLLERS-LOAD-AC-POWER | | | AIR | 127.659 | 171.333 | 304 | .1643 | 66 | 1250 09826000 |
| CONTROLLERS-LOAD-AC-POWER | | | AIR | 382.846 | 710.12 | 86 | .01306 | 66 | 1240 09828000A |
| CONTROLLERS-LOAD-AC-POWER | | | AIR | .67.673 | .784732 | | 111.35 | 62 | 2211 09830000 |

RAAF AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 2IF CONTROLS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LATION | HR | YR | CROSS REF DATA INDEX |
|-----------------------------|--------------|-------------------------|-------------|--------------|---------------------|-----------------|-------------|--------|---------|----------------------|
| PART DESCRIPTION | | | | | | | | | | |
| CONTROLLERS-PRESSURE | | | AIR | 32.258 | 64.464 | | | -12400 | 66 2134 | 09832000 |
| CONTROLLERS-PRESSURE | | | AIR | 880 | | | | | 66 2134 | 09124000 |
| CONTROLLERS-POLAR-PATH | | NAVIGATION-707-131B | AIR | 60P | | | | | 66 2361 | 09836000 |
| CONTROLLERS-POLAR-PATH | | NAVIGATION-707-131 | AIR | 110P | | | | | 66 2361 | 09838000 |
| CONTROLLERS-POLAR-PATH | | NAVIGATION-707-331B | AIR | 140P | | | | | 66 2361 | 09840000 |
| CONTROLLERS-POLAR-PATH | | NAVIGATION-707-331 | AIR | 140P | | | | | 66 2361 | 09842000 |
| CONTROLLERS-POLAR-PATH | | NAVIGATION-707-331B | AIR | 140P | | | | | 66 2361 | 09844000 |
| CONTROLLERS-POLAR-PATH | | NAVIGATION-707-331B | AIR | 340P | | | | | 66 2361 | 09846000 |
| CONTROLLERS-POLAR-PATH | | NAVIGATION-707-131 | AIR | 650P | | | | | 66 2361 | 09848000 |
| CONTROLLERS-PRESSURE | | MANUAL-AIR-COMD | AIR | 161.812 | 323.363 | 48 | | -02472 | 65 1227 | 09850000 |
| CONTROLLERS-PRESSURE | | AUTOMATIC-AIR-COMD | AIR | 242.718 | 426.059 | 48 | | -02472 | 65 1227 | 09852000 |
| CONTROLLERS-PRESSURE | | CABIN | AIR | 504.254 | 707.582 | 41 | | -03173 | 65 1145 | 09854000 |
| CONTROLLERS-PRESSURE | | AIR-CONDITIONING | AIR | 607.828 | 795.312 | 76 | | -04113 | 66 1250 | 09856000 |
| CONTROLLERS-PRESSURE-M2 | | | LAB | 100C | 388.97C | 6 | | -07C | 66 1264 | 09858000 |
| CAPSULE-SINGLE-ELEMENT | | | | | | | | | | |
| CONTROLLERS-PRESSURE-MANUAL | | AIR-CONDITIONING | AIR | 48.6243 | 129.401 | 74 | | -04113 | 66 1250 | 09860000 |
| CONTROLLERS-PRESSURIZATION | | AIR-CONDITIONING | AIR | 571.1 | 1092.9 | 100 | | -11637 | 65 1198 | 09862000 |
| CONTROLLERS-PRESSURIZATION | | AIR-CONDITIONING | AIR | 1133.33 | 1573.74 | 68 | | -015 | 63 1174 | 09864000 |
| CONTROLLERS-PRESSURIZATION | | AIR-CONDITIONING | AIR | 1545.17 | 1732.97 | 50 | | -08478 | 63 1198 | 09866000 |
| CONTROLLERS-PRESSURIZATION | | AIR-CONDITIONING | AIR | 1560 | 1761.56 | 50 | | -075 | 63 1114 | 09868000 |
| CONTROLLERS-PRESSURIZATION | | AIR-CONDITIONING | AIR | 1647.72 | 1837.31 | 102 | | -088 | 63 1114 | 09870000 |
| CONTROLLERS-PRESSURIZATION | | AIR-CONDITIONING | AIR | 1670.47 | 1827.31 | 50 | | -12691 | 65 1198 | 09872000 |
| CONTROLLERS-SPEED | | | | 125 | | | | | 57 211 | 09874000 |
| CONTROLLERS-TEMPERATURE | | CABIN-AIR-CONDITIONING | AIR | 29.9314 | 38.0707 | 1194 | | 1.0357 | 67 1272 | 09876000 |
| CONTROLLERS-TEMPERATURE | | TURBINE-BYPASS-VALVE | AIR | 2824.45 | 3027.01 | | | -12428 | 66 1241 | 09878000 |
| CONTROLLERS-TEMPERATURE | | AIR-CONDITIONING | AIR | 39.3804 | 62.1557 | 946 | | -22854 | 65 1228 | 09880000 |
| CABIN | | | | | | | | | | |
| CONTROLLERS-TEMPERATURE | | AIR-CONDITIONING | AIR | 3504.76 | 4125.12 | | | -14239 | 66 1241 | 09882000 |
| ELECT-EQUIPMENT | | | | | | | | | | |
| CONTROLLERS-TEMPERATURE | | AIR-CONDITIONING | AIR | 2824 | 3026.52 | | | -125 | 66 1263 | 09884000 |
| EQUIPMENT | | | | | | | | | | |
| CONTROLLERS-THRUST | | | GRD | * | 47.5743C | | | -0484C | 62 1136 | 09886000 |
| PROPORTIONAL-COLD-GAS | | | | * | 23.026C | | | -1C | 62 1136 | 09888000 |
| CONTROLLERS-THRUST | | | LAB | * | | | | | | |
| PROPORTIONAL-COLD-GAS | | | | | | | | | | |
| PROPORTIONAL-COLD-GAS | | | HSL | .735294C | 2.86007C | | | 1.36C | 62 1136 | 09890000 |
| CONTROLLERS-THRUST-ON/OFF | | | | * | 1476.02 | | | -00156 | 62 1136 | 09892000 |
| COLD-GAS | | | | | | | | | | |
| CONTROLLERS-TURN | | AUTOPILOT-SYSTEM | AIR | * | 27.1597 | 50 | | -08478 | 63 1198 | 09894000 |
| CONTROLLERS-35-DEGREE | | AIR-CONDITIONING | AIR | 502.512 | 882.085 | 31 | | -01194 | 63 1111 | 09896000 |
| CONTROLS-HF-TUNER | | HF-COMMUNICATIONS-8-720 | AIR | * | | | | | 66 2380 | 09898000 |
| CORRUINATE | | AUTOPILOT-MA-2 | AIR | 83.752 | 325.77 | 31 | | -01194 | 63 1111 | 09900000 |
| COURSE-DEVIATION | | FLIGHT-TRACK-NAVIGATION | AIR | 191.387 | 509.311 | 50 | | -01045 | 63 1198 | 09902000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 210 CONTROLS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR | GROSS GF DATA INDEX | RPT SRC REF NO |
|------------------------------|--------------|-----------------------------------|-------------|--------------|---------------------|-----------------|------------|----|---------------------|----------------|
| PART DESCRIPTION | | | | | | | | | | |
| -C N.O.C. | | | | | | | | | | |
| COUP-32-DEVIATION | | FLIGHT-TRACK-NAVIGATION | AIR | 222.222 | 591.366 | 50 | .002 | 63 | 1114 | 09904000 |
| CP32SHAIR | | BOMBING-NAV-COMPUTER.ASB-9 | AIR | 83.752 | 325.77 | 31 | .01194 | 63 | 1111 | 09906000 |
| DATA-CONTROLLER | | F III | AIR | 2964.74 | 3692.55 | | .01248 | 62 | 2700 | 09908000 |
| DATA-SETTING | | BOMB-NAVIGATION-COMPUTER.ASB-9 | AIR | 670.016 | 1088.33 | 31 | .01194 | 63 | 1111 | 09910000 |
| DETECTION. | | CARGO-AUXILIARY-POWER-UNIT | AIR | * | 55.9834 | 76 | .04113 | 60 | 1250 | 09912000A |
| BLEED-AIP-OVERHEAT | | | | | | | | | | |
| DETECTION-BLEED-AIR-OVERHEAT | | CARGO.APU | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 09914000 |
| DETECTION-BLEED-AIR-OVERHEAT | | WING.PYLON.A-C | AIR | 24.3131 | 64.7009 | 152 | .08226 | 66 | 1250 | 09916000A |
| DETECTION-BLEED-AIR-OVERHEAT | | WING.PYLON.A-C | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 | 09918000 |
| HEAT-RING | | | | | | | | | | |
| DIGITAL | | C-12-COMPASS-SYSTEM-NAVIGATION | AIR | 948.212 | 1101.18 | 152 | .08226 | 66 | 1250 | 09920000A |
| DIGITAL | | C-12-COMPASS-SYSTEM.PAV | AIR | 970.873 | 1176.32 | 96 | .04944 | 65 | 1227 | 09922000 |
| DIMMING | | LIGHTS | AIR | 41.8848 | 111.461 | 120 | .04775 | 63 | 1111 | 09924000 |
| DRL | | | | | | | | | | |
| DOPPLER-RADAR | | NAVIGATION-707-331B | AIR | 230P | | | | 65 | 2330 | 09926000 |
| DOPPLER-RADAR | | NAVIGATION-707-331B | AIR | 90P | | | | 66 | 2364 | 09928000 |
| DOPPLER-RADAR | | NAVIGATION-707-331 | AIR | 140P | | | | 66 | 2362 | 09930000 |
| DOPPLER-RADAR | | NAVIGATION-707-331 | AIR | 160P | | | | 66 | 2364 | 09932000 |
| DOPPLER-RADAR | | NAVIGATION-707-331 | AIR | 170P | | | | 66 | 2364 | 09934000 |
| DOPPLER-RADAR | | NAVIGATION-707-331B | AIR | 170P | | | | 65 | 2361 | 09936000 |
| DOPPLER-RADAR | | NAVIGATION-331C/373C | AIR | 250P | | | | 66 | 2363 | 09938000 |
| DOPPLER-RADAR | | NAVIGATION-331C/373C | AIR | 250P | | | | 66 | 2365 | 09940000 |
| DOPPLER-RADAR | | NAVIGATION-707-331B | AIR | 280P | | | | 66 | 2361 | 09942000 |
| DOPPLER-RADAR | | NAVIGATION-707-331 | AIR | 240P | | | | 65 | 2362 | 09944000 |
| DOPPLER-RADAR | | NAVIGATION-707-331B | AIR | 340P | | | | 66 | 2361 | 09946000 |
| DOPPLER-RADAR | | NAVIGATION-707-331 | AIR | 390P | | | | 66 | 2361 | 09948000 |
| DOPPLER-RADAR | | NAVIGATION-707-331 | AIR | 460P | | | | 66 | 2362 | 09950000 |
| DOPPLER-RADAR | | NAVIGATION-707-331B | AIR | 490P | | | | 66 | 2364 | 09952000 |
| DOPPLER-RADAR | | NAVIGATION-707-331 | AIR | 620P | | | | 65 | 2364 | 09954000 |
| DOPPLER-RADAR | | NAVIGATION-707-331B | AIR | 630P | | | | 65 | 2364 | 09956000 |
| DOPPLER-RADAR | | NAVIGATION-707-331 | AIR | 640P | | | | 65 | 2361 | 09958000 |
| DUCT-TEMPERATURE-ELECTRONIC | | AIR-CONDITIONING-SYSTEM | AIR | 673.4 | 957.842 | | .01782 | 62 | 2320 | 09960000 |
| EMERGENCY | | BOMBING-NAVIGATION-COMPUTER.ASB-9 | AIR | 335.008 | 669.476 | 31 | .01194 | 63 | 1111 | 09962000 |
| ENGAGE | | PARKING-BRAKE.LANDING-GEAR | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 09964000 |
| ENGAGE | | LANDING-GEAR | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 | 09966000 |
| ENGINE-JFC | | ENGINE-FUEL-AND-CONTROL-707-131 | AIR | 110P | | | | 66 | 2362 | 09968000 |
| ENGINE-JFC | | ENGINE-FUEL-AND-CONTROL-707-131 | AIR | 170P | | | | 66 | 2361 | 09970000 |
| ENGINE-JFC | | ENGINE-FUEL-AND-CONTROL-707-331 | AIR | 170P | | | | 65 | 2362 | 09972000 |
| ENGINE-JFC | | ENGINE-FUEL-AND-CONTROL-707-331 | AIR | 220P | | | | 66 | 2364 | 09974000 |
| ENGINE-JFC | | ENGINE-FUEL-AND-CONTROL-707-131 | AIR | 230P | | | | 66 | 2364 | 09976000 |
| ENGINE-JFC | | ENGINE-FUEL-AND-CONTROL-707-331 | AIR | 230P | | | | 66 | 2364 | 09978000 |
| ENGINE-JFC | | ENGINE-FUEL-AND-CONTROL-707-131 | AIR | 260P | | | | 65 | 2362 | 09980000 |
| ENGINE-JFC | | ENGINE-FUEL-AND-CONTROL-707-331 | AIR | 310P | | | | 66 | 2361 | 09982000 |
| ENGINE-JFC | | ENGINE-FUEL-AND-CONTROL-707-131 | AIR | 340P | | | | 66 | 2362 | 09984000 |
| ENGINE-JFC | | ENGINE-FUEL-AND-CONTROL-707-331 | AIR | | | | | 66 | 2361 | 09986000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 210 CONTROLS | | UPPER 90 CONF LIMIT | PART LAYDOWN | PART HOURS | YR | CROSS |
|------------------------|---------------------------------|-------------|---------------------|--------------|------------|----|-----------------------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | | | | OF DATA INDEX RPT SINCE REF NO |
| -00 N.O.C. | | | | | | | |
| ENGINE-JFC | ENGINE-FUEL-AND-CONTROL-707-331 | AIR | 420P | | | 66 | 2361 09970000 |
| ENGINE-JFC | ENGINE-FUEL-AND-CONTROL-707-331 | AIR | 450P | | | 65 | 2361 09990000 |
| ENGINE-JFC | ENGINE-FUEL-AND-CONTROL-707-131 | AIR | 610P | | | 65 | 2364 09932000 |
| ENGINE-JFC | ENGINE-FUEL-AND-CONTROL-707-131 | AIR | 620P | | | 66 | 2364 09994000 |
| ENGINE-JFC | ENGINE-FUEL-AND-CONTROL-707-331 | AIR | 680P | | | 66 | 2362 09996000 |
| ENGINE-JFC | ENGINE-FUEL-AND-CONTROL-707-131 | AIR | 680P | | | 66 | 2362 09998000 |
| ENGINE-JFC | ENGINE-FUEL-AND-CONTROL-707-131 | AIR | 910P | | | 65 | 2361 10000000 |
| ENGINE-OIL-TEMPERATURE | ENGINE-FUEL-AND-CONTROL-707-131 | AIR | 543.493 | 726.1 | .04969 | 62 | 1123 10002000A |
| ERECT | AN/ASN-28-RADAR-TRANSMITTER | AIR | 1227.91 | 1463.78 | 63 | 64 | 1155 10004000 |
| FEATHER-OVERRIDE | PROPELLOR-ASSEMBLY | AIR | 40.818 | 35.6469 | 400 | 65 | 1198 10006000 |
| FEATHER-OVERRIDE | HYDROMATIC-PROPELLOR | AIR | 48.387 | 107.754 | 272 | 63 | 1114 10008000 |
| FEATHER-OVERRIDE | PROPELLOR-ASSEMBLY | AIR | 76.8276 | 95.1265 | 200 | 65 | 1198 10010000 |
| FEATHER-OVERRIDE | HYDROMATIC-PROPELLOR | AIR | 84.9858 | 108.541 | 408 | 63 | 1114 10012000 |
| FIRE-FREQUENCY/LOAD | CONSTANT-SPEED-DRIVE | AIR | 3475.93 | 5068.97 | 41 | 63 | 1132 10014000 |
| FIRE-DETECTION | FIRE-PROTECTION-707-131B | AIR | 30P | | | 66 | 2364 10016000 |
| FIRE-DETECTION | FIRE-PROTECTION-707-331B | AIR | 40P | | | 66 | 2364 10018000 |
| FIRE-DETECTION | FIRE-PROTECTION-727 | AIR | 60P | | | 66 | 2360 10020000 |
| FIRE-DETECTION | FIRE-PROTECTION-707-331 | AIR | 80P | | | 66 | 2364 10022000 |
| FIRE-DETECTION | FIRE-PROTECTION-707-331B | AIR | 100P | | | 66 | 2364 10024000 |
| FIRE-DETECTION | FIRE-PROTECTION-707-131B | AIR | 100P | | | 65 | 2364 10026000 |
| FIRE-DETECTION | FIRE-PROTECTION-707-131B | AIR | 110P | | | 65 | 2364 10028000 |
| FIRE-DETECTION | FIRE-PROTECTION-707-131 | AIR | 110P | | | 66 | 2364 10030000 |
| FIRE-DETECTION | FIRE-PROTECTION-707-331B | AIR | 180P | | | 65 | 2364 10032000 |
| FIRE-DETECTION | FIRE-PROTECTION-727 | AIR | 220P | | | 66 | 2364 10034000 |
| FIRE-DETECTION | FIRE-PROTECTION-707-131 | AIR | 230P | | | 66 | 2364 10036000 |
| FIRE-DETECTION | FIRE-PROTECTION-707-331 | AIR | 240.774 | 289.473 | 126 | 65 | 1155 10040000 |
| FIRE-DETECTION | POWER-PLANT | AIR | 272P | | | 65 | 2360 10042000 |
| FIRE-DETECTION | FIRE-PROTECTION-727 | AIR | 310P | | | 65 | 2364 10044000 |
| FIRE-DETECTION | FIRE-PROTECTION-707-331 | AIR | 340P | | | 66 | 2364 10046000 |
| FIRE-DETECTION | FIRE-PROTECTION-707-131 | AIR | 480P | | | 65 | 2364 10048000 |
| FIRE-DETECTION-SYSTEM | FIRE-PROTECTION-707-131B | AIR | 110.305 | 158.588 | 244 | 64 | 1144 10050000A |
| FIRE-DETECTION-UNIT | FIRE-PROTECTION-707-131 | AIR | 30P | | | 66 | 2361 10052000 |
| FIRE-DETECTION-UNIT | FIRE-PROTECTION-707-131B | AIR | 60P | | | 65 | 2341 10054000 |
| FIRE-DETECTION-UNIT | FIRE-PROTECTION-707-131B | AIR | 60P | | | 66 | 2361 10056000 |
| FIRE-DETECTION-UNIT | FIRE-PROTECTION-707-331B | AIR | 70P | | | 66 | 2361 10058000 |
| FIRE-DETECTION-UNIT | FIRE-PROTECTION-707-331B | AIR | 70P | | | 66 | 2361 10060000 |
| FIRE-DETECTION-UNIT | FIRE-PROTECTION-707-131B | AIR | 110P | | | 66 | 2361 10062000 |
| FIRE-DETECTION-UNIT | FIRE-PROTECTION-331C/373C | AIR | 120P | | | 65 | 2365 10064000 |
| FIRE-DETECTION-UNIT | FIRE-PROTECTION-331C/373C | AIR | 130P | | | 66 | 2365 10066000 |
| FIRE-DETECTION-UNIT | FIRE-PROTECTION-707-131B | AIR | 140P | | | 66 | 2361 10068000 |
| FIRE-DETECTION-UNIT | FIRE-PROTECTION-380 | AIR | 140P | | | 65 | 2363 10070000 |
| FIRE-DETECTION-UNIT | FIRE-PROTECTION-707-131 | AIR | 220P | | | 65 | 2361 10072000 |
| FIRE-DETECTION-UNIT | FIRE-PROTECTION-707-131B | AIR | 250P | | | 65 | 2361 10074000 |
| FIRE-DETECTION-UNIT | FIRE-PROTECTION-707-131 | AIR | 260P | | | 65 | 2361 10076000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 210 CONTROLS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POPULATION | PART LATION | HOURS | YR | CROSS OF DATA INDEX |
|---------------------|--------------|----------------------------------|---------------|--------------|-------------|-----------------|-------------|-------|----|---------------------|
| PART DESCRIPTION | | | | | | | | | | RPT SRCE REF NO |
| 210 N.O.C. | | | | | | | | | | |
| FIRE-DETECTION-UNIT | | FIRE-PROTECTION.707-131 | AIR | 300P | | | | | 65 | 2361 10078000 |
| FIRE-DETECTION-UNIT | | FIRE-PROTECTION.380 | AIR | 380P | | | | | 66 | 2363 10080000 |
| FIRE-DETECTION-UNIT | | FIRE-PROTECTION.707-131 | AIR | 440P | | | | | 66 | 2361 10082000 |
| FIRE-DETECTOR | | FIRE-PROTECTION.707-131B | AIR | 40P | | | | | 65 | 2362 10084000 |
| FIRE-DETECTOR | | FIRE-PROTECTION.707-131 | AIR | 60P | | | | | 66 | 2362 10086000 |
| FIRE-DETECTOR | | FIRE-PROTECTION.707-131 | AIR | 80P | | | | | 65 | 2362 10088000 |
| FIRE-DETECTOR | | FIRE-PROTECTION.707-331 | AIR | 80P | | | | | 66 | 2362 10090000 |
| FIRE-DETECTOR | | FIRE-PROTECTION.707-131B | AIR | 110P | | | | | 66 | 2362 10092000 |
| FIRE-DETECTOR | | FIRE-PROTECTION.707-131 | AIR | 110P | | | | | 66 | 2362 10094000 |
| FIRE-DETECTOR | | FIRE-PROTECTION.707-331B | AIR | 130P | | | | | 65 | 2362 10096000 |
| FIRE-DETECTOR | | FIRE-PROTECTION.707-131B | AIR | 200P | | | | | 66 | 2362 10098000 |
| FIRE-DETECTOR | | FIRE-PROTECTION.707-331 | AIR | 260P | | | | | 65 | 2362 10100000 |
| FIRE-DETECTOR | | FIRE-PROTECTION.707-331 | AIR | 240P | | | | | 66 | 2362 10102000 |
| FIRE-DETECTOR | | FIRE-PROTECTION.707-331B | AIR | 570P | | | | | 66 | 2362 10104000 |
| FIRE-DETECTOR | | FIRE-PROTECTION.707-131 | AIR | 600P | | | | | 65 | 2362 10106000 |
| FIRE-DETECTOR | | FIRE-PROTECTION.707-131 | AIR | 690P | | | | | 66 | 2362 10108000 |
| FLIGHT-MODE | | AUTO-FLIGHT-CONTROL/MEASUREMENT | AIR | 1123.59 | 2502.17 | 36 | .00267 | | 66 | 1256 10110000 |
| FLUTTER-DAMPEN | | FLIGHT-CONTROL.880 | AIR | 150P | | | | | 66 | 2363 10112000 |
| FLUTTER-DAMPEN | | FLIGHT-CONTROL.880 | AIR | 80P | | | | | 66 | 2363 10114000 |
| FLUTTER-DAMPEN | | TOSS.80MB-COMPUTER | AIR | 110P | | | | | 65 | 2365 10116000 |
| FREQUENCY-AUTOMATIC | | | SIM GRD AIR | 648.648 | 892.118 | 195 | .02775 | | 64 | 1181 10118000 |
| FREQUENCY-EXPOSURE | | | AIR | 398.066 | 512.936 | | .07034 | | 66 | 1241 10120000 |
| FREQUENCY-EXPOSURE | | | AIR | 581.395 | 2261.45 | 18 | .00172 | | 65 | 1247 10122000 |
| FREQUENCY-EXPOSURE | | | AIR | 362.318 | 964.184 | 23 | .00552 | | 65 | 1247 10124000 |
| FREQUENCY-AND-LOAD | | | AIR | 1912.12 | 2135.46 | | .07374 | | 66 | 1241 10126000 |
| FREQUENCY-AND-LOAD | | | AIR | 1912.12 | 2135.46 | | .07374 | | 65 | 1188 10128000 |
| FREQUENCY-SELECTOR | | | SIM GRD AIR * | | 91.9201 | 195 | .02505 | | 64 | 1181 10130000 |
| FREQUENCY-SELECTOR | | | AIR | 13483.1 | 16845.7 | 36 | .00267 | | 66 | 1256 10132000 |
| FUEL | | ENGINE-POWER-SECTION | AIR | 2.83535 | 11.0286 | 448 | .35249 | | 65 | 1201 10134000 |
| FUEL | | ENGINE | AIR | 25.5703 | 30.7991 | 1716 | 1.9945 | | 65 | 1201 10136000 |
| FUEL | | ENGINE-FUEL-AND-CONTROL.707-331B | AIR | 40P | | | | | 66 | 2364 10138000 |
| FUEL | | ENGINE-FUEL-AND-CONTROL.707-331B | AIR | 60P | | | | | 66 | 2362 10140000 |
| FUEL | | ENGINE-FUEL-AND-CONTROL.707-331B | AIR | 80.0731 | 80.0618 | 244 | .36622 | | 65 | 1201 10142000 |
| FUEL | | AFTERBURNER-TURBOJET-J-85 | AIR | 88.3565 | 139.465 | 812 | .10186 | | 64 | 1179 10144000 |
| FUEL | | ENGINE-FUEL-AND-CONTROL.707-131B | AIR | 90P | | | | | 66 | 2361 10146000 |
| FUEL | | ENGINE-FUEL-AND-CONTROL.707-331B | AIR | 100P | | | | | 66 | 2364 10148000 |
| FUEL | | ENGINE-FUEL-AND-CONTROL.707-331B | AIR | 109.032 | 130.185 | 528 | .51361 | | 65 | 1201 10150000 |
| FUEL | | ENGINE-FUEL-AND-CONTROL.707-131B | AIR | 110P | | | | | 66 | 2362 10152000 |
| FUEL | | ENGINE-FUEL-AND-CONTROL.707-131B | AIR | 113.507 | 302.06 | 64 | .01762 | | 65 | 1201 10154000 |
| FUEL | | ENGINE-FUEL-AND-CONTROL.707-131B | AIR | 120P | | | | | 65 | 2362 10156000 |
| FUEL | | ENGINE-FUEL-AND-CONTROL.707-331B | AIR | 140P | | | | | 66 | 2361 10158000 |
| FUEL | | ENGINE-FUEL-AND-CONTROL.707-331B | AIR | 140P | | | | | 66 | 2361 10160000 |
| FUEL | | AFTERBURNER-TURBOJET-J-85 | AIR | 140.019 | 177.398 | 946 | .22654 | | 65 | 1228 10162000 |
| FUEL | | ENGINE-FUEL-AND-CONTROL.707-331B | AIR | 170P | | | | | 65 | 2361 10164000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

SECTION I FAILURE RATE DATA

FUNCTIONAL APPLICATION

JANUARY 1968

| PART CLASS | 211 CONTROLS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POPU- LATION | PART HOURS | YR OF RPT | CROSS DATA INDEX |
|------------------|----------------------------------|------------------------|-------------|--------------|-------------|-------------------|------------|-----------|------------------|
| PART DESCRIPTION | | | | | | | | | |
| FUEL | ENGINE-FUEL-AND-CONTROL.707-1318 | AIR | 221P | | | | | 66 | 2362 10166000 |
| FUEL | ENGINE-FUEL-AND-CONTROL.707-3318 | AIR | 210P | | | | | 66 | 2362 10168100 |
| FUEL | ENGINE-FUEL-AND-CONTROL.707-1318 | AIR | 210P | | | | | 2364 | 10170000 |
| FUEL | ENGINE-FUEL-AND-CONTROL.707-1318 | AIR | 230P | | | | | 2364 | 10172000 |
| FUEL | ENGINE-TURBOJET-J-85 | AIR | 235.617 | 310.068 | 812 | | -10186 | 65 | 1179 10174000 |
| FUEL | ENGINE-FUEL-AND-CONTROL.707-1318 | AIR | 270P | | | | | 66 | 2361 10176000 |
| FUEL | ENGINE-FUEL-AND-CONTROL.707-1318 | AIR | 270P | | | | | 2364 | 10178000 |
| FUEL | ENGINE-TURBOJET-J-85 | AIR | 328.17 | 382.272 | 946 | | -22354 | 65 | 1228 10180000 |
| FUEL | ENGINE-FUEL-AND-CONTROL.707-1318 | AIR | 370P | | | | | 65 | 2361 10182000 |
| FUEL | ENGINE-FUEL-AND-CONTROL.707-1318 | AIR | 420P | | | | | 65 | 2364 10184000 |
| FUEL | ENGINE | AIR | 1944.44 | 2437.3 | 64 | | -018 | 59 | 1110 10186000 |
| FUEL | ENGINE | AIR | 6039.47 | 6197.45 | | | -238 | 63 | 2111 10188000 |
| FUEL | ENGINE | HELI | 1133.33 | 1425.45 | 120 | | -03 | 65 | 1212 10190000 |
| FUEL | ENGINE | AIR | 191.387 | 509.311 | 50 | | -01047 | 63 | 1198 10192000 |
| GAIN | SHORAN-AN/APN-84.C-2076.HIRAN | AIR | 222.222 | 591.366 | 50 | | -009 | 63 | 1114 10194000 |
| GAIN | SHORAN-AN/APN-84.C-2076.HIRAN | AIR | 501 | 770.332 | 139 | | -02 | 63 | 1117 10196000 |
| GAIN | AUTO-RECEIVER.RADAR-SYNCHRONIZER | SIM SRD AIR | 825.828 | 1097.21 | 195 | | -02775 | 64 | 1181 10198000 |
| GAIN | AUTO-RECEIVER.RADAR-SYNCHRONIZER | SIM SRD AIR | 124.223 | 330.577 | 383 | | -0161 | 65 | 1188 10200000 |
| GAIN | AUTO-RECEIVER.RADAR-SYNCHRONIZER | AIR GND | 372.67 | 654.167 | 383 | | -0161 | 65 | 1188 10202000 |
| GAIN | AUTO-RECEIVER.RADAR-SYNCHRONIZER | AIR GND | 473.933 | 631.629 | 63 | | -04662 | 64 | 1155 10204000 |
| GAIN | AN/ASW-28-RADAR-TRANSMITTER | AIR | 70P | | | | | 66 | 2361 10206000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 90P | | | | | 66 | 2364 10208000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 120P | | | | | 66 | 2362 10210000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 130P | | | | | 65 | 2361 10212000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 140P | | | | | 66 | 2361 10214000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 150P | | | | | 66 | 2362 10216000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 190P | | | | | 66 | 2364 10218000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 250P | | | | | 66 | 2360 10220000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 310P | | | | | 65 | 2364 10222000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 310P | | | | | 66 | 2364 10224000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 340P | | | | | 65 | 2361 10226000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 500P | | | | | 66 | 2365 10228000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 530P | | | | | 65 | 2362 10230000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 1200P | | | | | 66 | 2360 10232000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 130P | | | | | 65 | 2361 10234000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 130P | | | | | 66 | 2361 10236000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 150P | | | | | 66 | 2362 10238000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 160P | | | | | 66 | 2364 10240000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 210P | | | | | 66 | 2361 10242000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 210P | | | | | 66 | 2361 10244000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 290P | | | | | 66 | 2364 10246000 |
| GAIN | COMMUNICATIONS.707-3318 | AIR | 340P | | | | | 65 | 2361 10248000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1969

| PART CLASS | 210 CONTROLS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR RPT | CROSS INDEX |
|---------------------|--------------------------------|------------------------|-------------|--------------|---------------------|-------------------|------------|--------|---------------|
| PART DESCRIPTION | | | | | | | | | |
| .00 M.O.C. | | | | | | | | | |
| HF-ANTENNA | COMMUNICATIONS-707-331 | AIR | 340P | | | | | 66 | 2364 10250000 |
| HF-ANTENNA | COMMUNICATIONS-707-331B | AIR | 340P | | | | | 66 | 2364 10250000 |
| HF-ANTENNA | COMMUNICATIONS-707-331 | AIR | 420P | | | | | 66 | 2361 10254000 |
| HF-ANTENNA | COMMUNICATIONS-707-331 | AIR | 460P | | | | | 65 | 2364 10256000 |
| HF-ANTENNA | COMMUNICATIONS-707-331 | AIR | 510P | | | | | 66 | 2362 10258000 |
| HF-ANTENNA | COMMUNICATIONS-707-331B | AIR | 610P | | | | | 66 | 2362 10260000 |
| HF-UNIT | COMMUNICATIONS-331C/373C | AIR | 250P | | | | | 65 | 2363 10262000 |
| HYDRAULIC | BOOSTER-ELEVATOR-ASBLY | AIR | 270P | | | | | 66 | 2363 10264000 |
| HYDRAULIC | BOOSTER-ELEVATOR-ASBLY | AIR | 23-6387 | 52.642 | 50 | | .12691 | 65 | 1198 10266000 |
| HYDRAULIC | BOOSTER-ELEVATOR-ASBLY | AIR | 34-3731 | 58.6408 | 100 | | .11637 | 65 | 1198 10268000 |
| HYDRAULIC | AILERON-46-TRANSPONDER | AIR | 58-4316 | 90.0236 | | | .17114 | 63 | 1123 10270000 |
| HYDRAULIC | BOOSTER-RUDDER-ASSEMBLY | AIR | 94-526 | 142.632 | 100 | | .11637 | 65 | 1198 10272000 |
| HYDRAULIC | THRUST-REVERSER-SYSTEM | AIR | 133-738 | 178.238 | 304 | | .1645 | 66 | 1250 10274000 |
| HYDRAULIC | BOOSTER-AILERON-SYSTEM | AIR | 137.492 | 192.932 | 100 | | .11637 | 65 | 1198 10276000 |
| HYDRAULIC | BOOSTER-ELEVATOR-ASBLY | AIR | 153-338 | 223.613 | 50 | | .08478 | 63 | 1198 10278000 |
| HYDRAULIC | BOOSTER-RUDDER-ASSEMBLY | AIR | 165.471 | 222.081 | 50 | | .12691 | 65 | 1198 10280000 |
| HYDRAULIC | AN/APX-46-TRANSPONDER | AIR | 188-723 | 264.821 | 50 | | .08478 | 63 | 1198 10282000 |
| HYDRAULIC | BOOSTER-AILERON-SYSTEM | AIR | 338-822 | 415.144 | 50 | | .12691 | 65 | 1198 10284000 |
| HYDRAULIC | THRUST-REVERSER-SYSTEM | AIR | 364.077 | 454.875 | 192 | | .09838 | 65 | 1227 10285000 |
| HYDRAULIC | BOOSTER-AILERON-SYSTEM | AIR | 625.147 | 750.241 | 50 | | .08478 | 63 | 1198 10286000 |
| HYDRAULIC-POWER | RUDDER-SYSTEM | AIR | 821.565 | 225.497 | 76 | | .04113 | 66 | 1250 10290000 |
| HYDRAULIC-POWER | RUDDER-SYSTEM | AIR | 161.812 | 323.363 | 48 | | .02472 | 65 | 1227 10292000 |
| HYDRAULIC-ELEV-HEEL | FLIGHT-CONTROLS-727 | AIR | 210P | | | | | 66 | 2364 10294000 |
| HYDRAULIC-ELEV-HEEL | TURBOJET-J-65 | AIR | 1924.2 | 2112.58 | 812 | | .10186 | 64 | 1179 10296000 |
| HYDRAULIC-ELEV-HEEL | TURBOJET-J-65 | AIR | 1776.49 | 1894.74 | 946 | | .22854 | 65 | 1228 10298000 |
| HYDRAULIC-ELEV-HEEL | LANDING-GEAR | AIR | 248.756 | 308.894 | | | .15276 | 66 | 1241 10300000 |
| HYDRAULIC-ELEV-HEEL | DOPPLER-COMPUTER-AN/ASN-35 | AIR | 323.624 | 525.675 | 48 | | .02472 | 65 | 1227 10302000 |
| HYDRAULIC-ELEV-HEEL | DOPPLER-COMPUTER-AN/ASN-35 | AIR | 436.263 | 657.551 | 76 | | .04113 | 66 | 1250 10304000 |
| HYDRAULIC-ELEV-HEEL | DOPPLER-COMPUTER-AN/ASN-35 | AIR | 191.387 | 509.311 | 50 | | .01045 | 63 | 1198 10306000 |
| HYDRAULIC-ELEV-HEEL | | AIR | 222.222 | 551.366 | 50 | | .009 | 63 | 1114 10308000 |
| HYDRAULIC-ELEV-HEEL | WIND-AIR-CRUP-SYSTEM | AIR | * | 55.9834 | 76 | | .04113 | 66 | 1250 10310000 |
| HYDRAULIC-ELEV-HEEL | CHUTE-AIR-DRUP-SYSTEM | AIR | 24-3131 | 94.5708 | 76 | | .04113 | 65 | 1250 10312000 |
| HYDRAULIC-ELEV-HEEL | FUEL-SYSTEM | AIR | 60P | | | | | 65 | 2330 10314000 |
| HYDRAULIC-ELEV-HEEL | FUEL-SYSTEM | AIR | * | 46.5736 | 96 | | .04544 | 65 | 1227 10316000 |
| HYDRAULIC-ELEV-HEEL | FUEL-SYSTEM | AIR | 24-3131 | 64.7005 | 152 | | .08226 | 66 | 1250 10318000 |
| HYDRAULIC-ELEV-HEEL | FUEL-SYSTEM | AIR | 140.944 | 281.661 | 50 | | .02838 | 64 | 1144 10320000 |
| HYDRAULIC-ELEV-HEEL | FUEL-SYSTEM | AIR | 48.6263 | 129.401 | 76 | | .04113 | 66 | 1250 10322000 |
| HYDRAULIC-ELEV-HEEL | FUEL-SYSTEM | AIR | * | 93.1472 | 48 | | .02472 | 65 | 1227 10324000 |
| HYDRAULIC-ELEV-HEEL | PNEUMATIC-AUXILIARY-POWER-UNIT | AIR | 60P | | | | | 66 | 2362 10326000 |
| HYDRAULIC-ELEV-HEEL | APU | AIR | 70P | | | | | 66 | 2361 10328000 |
| HYDRAULIC-ELEV-HEEL | EXHAUST-707-131 | AIR | | | | | | 65 | 2364 10330000 |
| HYDRAULIC-ELEV-HEEL | EXHAUST-707-131 | AIR | | | | | | | |
| HYDRAULIC-ELEV-HEEL | EXHAUST-707-131 | AIR | | | | | | | |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 210 CONTROLS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | </ |
|------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|
|------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 210 CONTROLS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR RPT | CROSS DATA INDEX |
|--------------------------------|---------------------------------------|---------------------------------------|-------------|--------------|---------------------|-------------------|------------|--------|------------------|
| PART DESCRIPTION | | | | | | | | | SRCE REF NO |
| -00 N.O.C. | | | | | | | | | |
| MANUAL | F-111 | TRACK-RADAR | AIR | 6000 | 7895.88 | 36 | .00400 | 52 | 2700 10404000 |
| MANUAL | TRACK-RADAR | TRACK-RADAR | AIR | 8588.76 | 11829 | 36 | .00267 | 66 | 1256 10406000A |
| MANUAL | INFRARED-SYSTEM | INFRARED-SYSTEM | AIR | 8988.76 | 11829 | 36 | .00267 | 66 | 1256 10408000A |
| MASTER | CAUTION/ANNUNCIATOR-LIGHTENING-SYSTEM | CAUTION/ANNUNCIATOR-LIGHTENING-SYSTEM | AIR | 606.796 | 861.343 | 48 | .02472 | 65 | 1227 10410000 |
| MASTER | CAUTION/ANNUNCIATOR-LIGHTENING-SYSTEM | CAUTION/ANNUNCIATOR-LIGHTENING-SYSTEM | AIR | 899.586 | 1120.42 | 76 | .04113 | 66 | 1250 10412000 |
| MASTER-MAKING | INSURANCE-707-131 | INSURANCE-707-131 | AIR | 220P | | | | 66 | 2361 10414002 |
| MODE-OPERATION-SET | INFRARED-SYSTEM | INFRARED-SYSTEM | AIR | 3370.78 | 5320.59 | 36 | .00267 | 66 | 1256 10416000 |
| MODE-SELECTION | SEARCH-RADAR | SEARCH-RADAR | AIR | 374.531 | 1456.81 | 36 | .00267 | 66 | 1256 10418000 |
| OVERTRAVEL | STEERING-SYSTEM | STEERING-SYSTEM | AIR | 180P | 4.82219 | 124 | .4775 | 63 | 1111 10420000 |
| OXYGEN-CONTROL-FL-PNEUMATIC | OXYGEN-727 | OXYGEN-727 | AIR | 210P | | | | 66 | 2365 10422000 |
| OXYGEN-COMT-FL-EL-PNEUMATIC | OXYGEN-727 | OXYGEN-727 | AIR | 300P | | | | 66 | 2365 10424000 |
| OXYGEN-COMT-FL-EL-PNEUMATIC | OXYGEN-727 | OXYGEN-727 | AIR | 220P | | | | 66 | 2363 10426002 |
| OXYGEN-CONTROL-FL-EL-PNEUMATIC | OXYGEN-727 | OXYGEN-727 | AIR | 220P | | | | 66 | 2363 10428000 |
| OXYGEN-CONTROL-FL-PNEUMATIC | OXYGEN-727 | OXYGEN-727 | AIR | 220P | | | | 66 | 2363 10430000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 60P | | | | 66 | 2361 10432000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 60P | | | | 66 | 2361 10434000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 70P | | | | 66 | 2354 10436022 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 100P | | | | 66 | 2364 10438000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 110P | | | | 66 | 2361 10440000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 140P | | | | 66 | 2361 10442000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 160P | | | | 66 | 2364 10444000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 220P | | | | 66 | 2361 10446000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 230P | | | | 66 | 2364 10448000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 330P | | | | 66 | 2364 10450000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 390P | | | | 66 | 2361 10452000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 120P | | | | 66 | 2361 10454000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 130P | | | | 66 | 2364 10456000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 140P | | | | 66 | 2364 10458000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 140P | | | | 66 | 2361 10460000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 140P | | | | 66 | 2361 10462000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 140P | | | | 66 | 2361 10464000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 140P | | | | 66 | 2361 10466000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 190P | | | | 66 | 2364 10468000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 220P | | | | 66 | 2361 10470000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 230P | | | | 66 | 2361 10472000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 260P | | | | 66 | 2364 10474000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 280P | | | | 66 | 2364 10476000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 310P | | | | 66 | 2361 10478000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 340P | | | | 66 | 2364 10480000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 340P | | | | 66 | 2364 10482000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 120P | | | | 66 | 2361 10484000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 170P | | | | 66 | 2362 10486000 |
| PA-GALLEY | COMMUNICATIONS-707-131B | COMMUNICATIONS-707-131B | AIR | 170P | | | | 65 | 2362 10488000 |

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 210 CONTROLS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA | CRBS INDEX |
|------------------|-------------------------|------------------------|-------------|--------------|---------------------|-------------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | APT SRCE | REF NG |
| 1A-GALLERY | COMMUNICATIONS-707-331 | AIR | 170P | | | | | 66 | 2362 10490000 |
| 1A-GALLERY | COMMUNICATIONS-707-331B | AIR | 240P | | | | | 65 | 2362 10492000 |
| 1A-GALLERY | COMMUNICATIONS-707-331C | AIR | 260P | | | | | 65 | 2362 10494000 |
| 1A-GALLERY | COMMUNICATIONS-707-331 | AIR | 340P | | | | | 66 | 2362 10496000 |
| 1A-GALLERY | COMMUNICATIONS-707-331B | AIR | 130P | | | | | 66 | 2362 10498000 |
| 1A-GALLERY | COMMUNICATIONS-707-331C | AIR | 150P | | | | | 66 | 2362 10500000 |
| 1A-GALLERY | COMMUNICATIONS-707-331B | AIR | 320P | | | | | 65 | 2362 10502000 |
| 1A-GALLERY | COMMUNICATIONS-707-331C | AIR | 490P | | | | | 66 | 2362 10504000 |
| 1A-GALLERY | COMMUNICATIONS-707-331B | AIR | 530P | | | | | 65 | 2362 10506000 |
| 1A-GALLERY | COMMUNICATIONS-707-331C | AIR | 350P | | | | | 65 | 2360 10508000 |
| 1A-GALLERY | COMMUNICATIONS-707-331B | AIR | 370P | | | | | 65 | 2365 10510000 |
| 1A-GALLERY | COMMUNICATIONS-707-331C | AIR | 580P | | | | | 66 | 2360 10512000 |
| 1A-GALLERY | COMMUNICATIONS-707-331B | AIR | 500P | | | | | 66 | 2360 10514000 |
| 1A-GALLERY | COMMUNICATIONS-707-331C | AIR | 1010P | | | | | 66 | 2365 10516000 |
| 1A-GALLERY | COMMUNICATIONS-707-331B | AIR | 167-504 | | 445.753 | 31 | .01194 | 63 | 1111 10518000 |
| 1A-GALLERY | COMMUNICATIONS-707-331C | AIR | 1858-71 | | 2373.92 | | .01614 | 66 | 1291 10520000 |
| 1A-GALLERY | COMMUNICATIONS-707-331B | AIR | * | | 81.1346 | 30 | .02898 | 64 | 1144 10522000 |
| 1A-GALLERY | COMMUNICATIONS-707-331C | AIR | 20-5416 | | 31.7101 | 200 | .2912 | 63 | 1198 10524000 |
| 1A-GALLERY | COMMUNICATIONS-707-331B | AIR | 23-4113 | | 39.3675 | 207 | .299 | 63 | 1111 10526000 |
| 1A-GALLERY | COMMUNICATIONS-707-331C | AIR | 66-6666 | | 259.313 | 68 | .015 | 63 | 1114 10528000 |
| 1A-GALLERY | COMMUNICATIONS-707-331B | AIR | 204-869 | | 266.617 | 50 | .12691 | 65 | 1198 10530000 |
| 1A-GALLERY | COMMUNICATIONS-707-331C | AIR | 272-727 | | 358.903 | 102 | .088 | 63 | 1114 10532000 |
| 1A-GALLERY | COMMUNICATIONS-707-331B | AIR | 343-731 | | 424.423 | 100 | .11637 | 65 | 1198 10534000 |
| 1A-GALLERY | COMMUNICATIONS-707-331C | AIR | 235-45 | | 2362.85 | 50 | .08478 | 63 | 1198 10536000 |
| 1A-GALLERY | COMMUNICATIONS-707-331B | AIR | 2400 | | 2645.88 | 50 | .075 | 63 | 1114 10538000 |
| 1A-GALLERY | COMMUNICATIONS-707-331C | AIR | 57-8034 | | 153.823 | 40 | .0346 | 66 | 1257 10540000 |
| 1A-GALLERY | COMMUNICATIONS-707-331B | AIR | 1220P | | | | | 65 | 2363 10542000 |
| 1A-GALLERY | COMMUNICATIONS-707-331C | AIR | 2120P | | | | | 66 | 2363 10544000 |
| 1A-GALLERY | COMMUNICATIONS-707-331B | AIR | 2820P | | | | | 66 | 2363 10546000 |
| 1A-GALLERY | COMMUNICATIONS-707-331C | AIR | 167-504 | | 445.753 | 31 | .01194 | 63 | 1111 10548000 |
| 1A-GALLERY | COMMUNICATIONS-707-331B | AIR | 534-889 | | 653.811 | 152 | .08226 | 66 | 1250 10550000 |
| 1A-GALLERY | COMMUNICATIONS-707-331C | AIR | 647-249 | | 120.039 | 96 | .04944 | 65 | 1227 10552000 |
| 1A-GALLERY | COMMUNICATIONS-707-331B | AIR | * | | 46.3393 | | .04969 | 63 | 1123 10554000 |
| 1A-GALLERY | COMMUNICATIONS-707-331C | AIR | * | | 105.43 | 80 | .02184 | 63 | 1132 10556000 |
| 1A-GALLERY | COMMUNICATIONS-707-331B | AIR | 8-752 | | 325.77 | 31 | .01194 | 63 | 1111 10558000 |
| 1A-GALLERY | COMMUNICATIONS-707-331C | AIR | 210-052 | | 301.995 | 40 | .06662 | 65 | 1223 10560000 |
| 1A-GALLERY | COMMUNICATIONS-707-331B | AIR | 543-471 | | 1210.28 | 54 | .00552 | 65 | 1247 10562000 |
| 1A-GALLERY | COMMUNICATIONS-707-331C | AIR | 3745-31 | | 5770.28 | 36 | .00267 | 66 | 1256 10564000 |
| 1A-GALLERY | COMMUNICATIONS-707-331B | AIR | 121-565 | | 187.292 | 152 | .09226 | 66 | 1250 10566000 |
| 1A-GALLERY | COMMUNICATIONS-707-331C | AIR | 218-818 | | 345.352 | 76 | .04113 | 66 | 1250 10568 |

AFR AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SPECIFIC FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 211 CONTROLS

FUNCTIONAL APPLICATION

ENVIRONMENT RATE UPPER PART
90 CONF POPU-
LIMIT LATISSR

YR CROSS
OF DATA INDEX
RPT SRCE REF NO

| FUNCTIONAL APPLICATION | ENVIRONMENT | RATE | UPPER | PART | YR | CROSS |
|-------------------------------------|-------------|---------|---------|------|--------|-------------------|
| RANGE-SAFETY-COMMAND | GRD | 5421.68 | 8257.82 | 106 | .00165 | 64 1163 10576000A |
| TIME-DIV-DATA-LINK | GRD | 5945.94 | 8971.97 | 119 | .00189 | 65 1208 10578000A |
| RANGE-SAFETY-COMMAND | AIR | 601 | 1336.16 | 16 | .005 | 62 2231 10580000 |
| | AIR | 19.8807 | 29.9984 | | .55330 | 63 1123 10584000 |
| AIR-CONCUSSIONING-707-331 | AIR | 260P | | | | 65 2361 10588000 |
| AIR-CONCUSSIONING-707-331B | AIR | 400P | | | | 65 2361 10590000 |
| AIR-CONCUSSIONING-707-331B | AIR | 680P | | | | 65 2361 10592000 |
| AIR-CONCUSSIONING-707-331 | AIR | 1830P | | | | 65 2361 10594000 |
| CABIN-AIR-CONCUSSIONING | AIR | 747.663 | 817.861 | 72 | .28323 | 65 1196 10596000 |
| PNEUMATIC-POWER | LAB | * | 430.392 | 5 | .00535 | 61 2600 10598000 |
| PNEUMATIC-POWER | LAB | * | 292.527 | 8 | .00815 | 61 2600 10600000 |
| PNEUMATIC-POWER | LAB | * | 76753.3 | 1 | .00003 | 61 2600 10602000 |
| PNEUMATIC-POWER | LAB | * | 32894.2 | 1 | .02001 | 61 2600 10604000 |
| PNEUMATIC-POWER | LAB | 256.41 | 657.358 | 2 | .00390 | 61 2600 10606000 |
| HI-SPEED-CONCUSSIONING-RADAR-ASB36 | AIR | 187.504 | 445.753 | 31 | .01194 | 63 1111 10608000 |
| FLIGHT-CONTROL-707-331 | AIR | 280P | | | | 66 2362 10610000 |
| FLIGHT-CONTROL-707-331 | AIR | 310P | | | | 66 2364 10612000 |
| FLIGHT-CONTROL-331C/373C | AIR | 510P | | | | 68 2363 10614000 |
| FLIGHT-CONTROL-707-121 | AIR | 520P | | | | 65 2361 10616000 |
| FLIGHT-CONTROL-331C/373C | AIR | 510P | | | | 66 2365 10618000 |
| AN/ASG-7 | AIR | 121.358 | 270.258 | 48 | .02472 | 65 1227 10620000 |
| ICE-AND-RAIN-PROTECTION-88L | AIR | 194.505 | 315.942 | 76 | .04113 | 66 2362 10622000 |
| ICE-AND-RAIN-PROTECTION-88L | AIR | 330P | | | | 66 2363 10624000 |
| ICE-AND-RAIN-PROTECTION-88C | AIR | 330P | | | | 66 2363 10626000 |
| ICE-AND-RAIN-PROTECTION-88C | AIR | 360P | | | | 65 2363 10628000 |
| AN/ASG-7-REF-1-COMMUNICATION-SYSTEM | AIR | 153.403 | 215.259 | 63 | .1043 | 64 1140 10630000 |
| JAT-1-BOTTLE | AIR | * | 2.452 | 300 | .93907 | 65 1198 10632000 |
| ENGINE-REF-1-PRODUCER | LAB | * | 50.5843 | 12 | .04552 | 65 1222 10634000A |
| ENGINE-REF-1-PRODUCER | AIR | 335.148 | 544.394 | 62 | .02387 | 63 1111 10636000 |
| COMPRESSOR-ENGINE-ENGINE | AIR | 23.2868 | 192 | | .09888 | 65 1227 10638000 |
| COMPRESSOR-ENGINE-ENGINE | AIR | 6.07902 | 23.6455 | 204 | .1645 | 66 1250 10640000 |
| AIR-DROP-SYSTEM | AIR | * | 4.65736 | 560 | .4744 | 65 1227 10642000 |
| AIR-DROP-SYSTEM | AIR | * | 2.79917 | 1520 | .8220 | 66 1230 10644000 |
| HYDRO-FLY-72 | AIR | 1180P | | | | 66 2363 10646000 |
| AUTO-FLY-72 | AIR | 3050P | | | | 65 2362 10648000 |
| AUTO-FLY-72 | AIR | 3250P | | | | 65 2363 10650000 |
| ACCELEROMETER-SYSTEM | AIR | 403.884 | 40.379 | 100 | .11637 | 65 1198 10652000 |
| ACCELEROMETER-SYSTEM | AIR | 425.458 | 505.781 | 50 | .12691 | 65 1198 10654000 |
| ACCELEROMETER-SYSTEM | AIR | 443.121 | 548.739 | 102 | .088 | 63 1111 10656000 |
| ACCELEROMETER-SYSTEM | AIR | 990.709 | 1144.23 | 50 | .08478 | 65 1198 10658000 |
| ACCELEROMETER-SYSTEM | AIR | 1080 | 1250.64 | 50 | .075 | 63 1111 10660000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1958

| PART CLASS | 210 CONTROLS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | 90 CONF | PART LATENCY | YR | OF DATA | INDEX |
|----------------------|--------------|------------------|-----------------------------------|-------------|--------------|-------------|---------|--------------|----|---------|----------|
| | | | | | | | | | | | |
| -00 | N.O.C. | | | | | | | | | | |
| RUDDER-TRIM | | | | | | | | | | | |
| SELVAL | | | COMMUNICATIONS-707-1318 | AIR | 83.752 | 325.77 | 31 | .01194 | 65 | 1111 | 10662000 |
| SELVAL | | | COMMUNICATIONS-707-1318 | AIR | 130P | | | | 65 | 2362 | 10664000 |
| SELVAL | | | COMMUNICATIONS-707-1318 | AIR | 130P | | | | 65 | 2361 | 10664000 |
| SELVAL | | | COMMUNICATIONS-707-1318 | AIR | 140P | | | | 65 | 2364 | 10668000 |
| SELVAL | | | COMMUNICATIONS-707-1318 | AIR | 140P | | | | 65 | 2364 | 10670000 |
| SELVAL | | | COMMUNICATIONS-707-1318 | AIR | 140P | | | | 65 | 2361 | 10672000 |
| SELVAL | | | COMMUNICATIONS-707-1318 | AIR | 190P | | | | 65 | 2364 | 10674000 |
| SELVAL | | | COMMUNICATIONS-707-1318 | AIR | 220P | | | | 65 | 2361 | 10676000 |
| SELVAL | | | COMMUNICATIONS-707-1318 | AIR | 230P | | | | 65 | 2361 | 10678000 |
| SELVAL | | | COMMUNICATIONS-707-1318 | AIR | 230P | | | | 65 | 2364 | 10680000 |
| SELVAL | | | COMMUNICATIONS-707-1318 | AIR | 240P | | | | 65 | 2361 | 10682000 |
| SELVAL | | | COMMUNICATIONS-707-1318 | AIR | 250P | | | | 65 | 2362 | 10684000 |
| SELVAL | | | COMMUNICATIONS-707-1318 | AIR | 260P | | | | 65 | 2361 | 10686000 |
| SELVAL | | | COMMUNICATIONS-707-1318 | AIR | 260P | | | | 65 | 2361 | 10688000 |
| SELVAL | | | COMMUNICATIONS-707-1318 | AIR | 270P | | | | 65 | 2360 | 10690000 |
| SELVAL | | | COMMUNICATIONS-707-1318 | AIR | 460P | | | | 65 | 2362 | 10692000 |
| SELVAL | | | COMMUNICATIONS-707-1318 | AIR | 480P | | | | 65 | 2362 | 10694000 |
| SELVAL | | | COMMUNICATIONS-707-1318 | AIR | 670P | | | | 65 | 2364 | 10696000 |
| SELVAL | | | COMMUNICATIONS-707-1318 | AIR | 730P | | | | 65 | 2362 | 10698000 |
| SELECTOR | | | TEMPERATURE-AIR-CONDITIONING | AIR | 300P | | | | 65 | 2362 | 10700000 |
| SELECTOR | | | AUTO-NAVIGATION-DATA-LINK | AIR | 374.531 | 27.9917 | 152 | .08226 | 65 | 1250 | 10702000 |
| SELECTOR-ANT. | | | TACAN-AN/ARN-21-C-2193 | AIR | 1456.81 | 354.82 | 36 | .00267 | 65 | 1256 | 10704000 |
| SELECTOR-ANT. | | | TACAN-AN/ARN-21-C-2193 | AIR | 133.333 | 293.109 | 50 | .015 | 63 | 1114 | 10706000 |
| SELECTOR-ANT. | | | TACAN-AN/ARN-21-C-2193 | AIR | 228.508 | 333.124 | 102 | .078 | 63 | 1114 | 10708000 |
| SELECTOR-ANT. | | | TACAN-AN/ARN-21-C-2193/A | AIR | 250 | 421.114 | 50 | .075 | 63 | 1114 | 10710000 |
| SELECTOR-TEMPERATURE | | | TACAN-AN/ARN-21-C-2193/A | AIR | 353.857 | 451.935 | 50 | .08478 | 63 | 1178 | 10714000 |
| SENSOR-BTU | | | AIR-CONDITIONING | AIR | 20.2265 | 78.6781 | 96 | .04944 | 65 | 1227 | 10716000 |
| SERVO | | | SPEED-BIAS-PROPELLOR-ASSEMBLY | AIR | 914.285 | 1158.36 | 320 | .035 | 61 | 1080 | 10718000 |
| SERVO | | | SPEED-BIAS-PROPELLOR-ASSEMBLY | AIR | * | 4.94672 | 400 | .46548 | 65 | 1128 | 10720000 |
| SERVO | | | SPEED-BIAS-HYDROMATIC-PROPELLOR | AIR | 7.87975 | 15.7468 | 200 | .50763 | 65 | 1198 | 10722000 |
| SERVO | | | FEEL-ARTIFICIAL-ELEVATOR-ASSEMBLY | AIR | 11.3314 | 22.6446 | 408 | .353 | 63 | 1114 | 10724000 |
| SERVO | | | LANDING-GEAR-707-1318 | AIR | 202.265 | 375.19 | 48 | .02472 | 65 | 1227 | 10726000 |
| SHIELD-ANTI-SKID | | | LANDING-GEAR-707-1318 | AIR | 218.818 | 345.392 | 76 | .04113 | 66 | 1250 | 10728000 |
| SHIELD-ANTI-SKID | | | LANDING-GEAR-707-1318 | AIR | 110P | | | | 66 | 2361 | 10730000 |
| SHIELD-ANTI-SKID | | | LANDING-GEAR-707-1318 | AIR | 130P | | | | 66 | 2361 | 10732000 |
| SHLD-SKID-DET | | | LANDING-GEAR-707-1318 | AIR | 240P | | | | 65 | 2361 | 10734000 |
| | | | LANDING-GEAR-707-1318 | AIR | 280P | | | | 66 | 361 | 10736000 |
| | | | LANDING-GEAR-707-1318 | AIR | 340P | | | | 66 | 361 | 10738000 |
| | | | LANDING-GEAR-707-1318 | AIR | 420P | | | | 66 | 361 | 10740000 |
| | | | LANDING-GEAR-707-1318 | AIR | 560P | | | | 65 | 2361 | 10742000 |
| | | | LANDING-GEAR-707-1318 | AIR | 680P | | | | 65 | 2361 | 10744000 |
| | | | LANDING-GEAR-707-1318 | AIR | 220P | | | | 65 | 2361 | 10746000 |
| | | | LANDING-GEAR-707-1318 | AIR | 330P | | | | 65 | 2360 | 10748000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 210 CONTROLS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR RPT SRCE | CROSS DATA INDEX PER NO |
|---------------------|--------------------------------|------------------------|-------------|--------------|---------------------------|--------------------|---------------|----------------|-------------------------------|
| PART DESCRIPTION | | | | | | | | | |
| .00 N.O.C. | | | | | | | | | |
| SHLD-SKID-DET | LANDING-GEAR-727 | AIR | 74CP | | | | | 54 | 2340 10752000 |
| SHLD-SKID-DET | LANDING-GEAR-727 | AIR | 150P | | | | | 54 | 2360 10754000 |
| SHLD-SKID-DET | LANDING-GEAR-727 | AIR | 373CP | | | | | 54 | 2363 10756000 |
| SHLD-SKID-DETECTION | LANDING-GEAR-727 | AIR | 210P | | | | | 54 | 2363 10756000 |
| SHLD-SKID-DETECTION | LANDING-GEAR-727 | AIR | 810P | | | | | 54 | 2363 10756000 |
| SOLENOID-STOP | PROPELLOR-ASSEMBLY | AIR | 4260P | | | | | 54 | 2363 10756000 |
| SOLENOID-STOP | HYDRAULIC-PROPELLOR | AIR | 324.368 | | | 200 | .2312 | 54 | 2363 10756000 |
| SPEED | ELECTRICAL-SYSTEM | AIR | 334.448 | | | 200 | .299 | 54 | 2363 10756000 |
| SPEED | ELECTRICAL-SYSTEM | AIR | 1.79075 | | | 708 | .55841 | 54 | 2363 10756000 |
| SPEED-SENSING | ELECTRICAL-SYSTEM | AIR | 56.7536 | | | 64 | .01762 | 54 | 2363 10756000 |
| SPEED-SENSING | ELECTRICAL-SYSTEM | AIR | 33.099 | | | 528 | .51361 | 54 | 2363 10756000 |
| SPEED-SENSITIVE | ELECTRICAL-SYSTEM | AIR | 38.2283 | | | 244 | .36622 | 54 | 2363 10756000 |
| SPEED-SENSITIVE | ELECTRICAL-SYSTEM | AIR | 55.1134 | | | 400 | .37914 | 54 | 2363 10756000 |
| STICK | TURBO-ENGINE | AIR | 104.093 | | | 500 | .5668 | 54 | 2363 10756000 |
| STICK | AILERON-SYSTEM-FLIGHT-CONTROL | AIR | 176.819 | | | 812 | .17532 | 54 | 2363 10756000 |
| STICK | AILERON-SYSTEM-FLIGHT-CONTROL | AIR | 181.519 | | | 1194 | .10357 | 54 | 2363 10756000 |
| STICK | AILERON-SYSTEM-FLIGHT-CONTROL | AIR | 183.775 | | | 946 | .22894 | 54 | 2363 10756000 |
| STICK | AILERON-SYSTEM-FLIGHT-CONTROL | AIR | 153.139 | | | 43 | .06653 | 54 | 2363 10756000 |
| SWITCH | DOOR-ELECTRIC-ATG/SPOILER | AIR | 7.8796 | | | 100 | .12691 | 54 | 2363 10756000 |
| SWITCH | DOOR-ELECTRIC-ATG/SPOILER | AIR | 11.7952 | | | 50 | .08478 | 54 | 2363 10756000 |
| SWITCH | DOOR-ELECTRIC-ATG/SPOILER | AIR | 13.3333 | | | 50 | .075 | 54 | 2363 10756000 |
| SWITCHING | DOOR-ELECTRIC-ATG/SPOILER | AIR | 6752.41 | | | 76 | .00311 | 54 | 2363 10756000 |
| SYNCHRONIZER | SEARCH-RACAR-AN/APN-59 | AIR | 97.2526 | | | 48 | .04113 | 54 | 2363 10756000 |
| SYNCHRONIZER | SEARCH-RACAR-AN/APN-59 | AIR | 40.453 | | | 100 | .02432 | 54 | 2363 10756000 |
| SYNCHRONIZER | SEARCH-RDR-AN/APN-59 | AIR | 42.9664 | | | 100 | .11637 | 54 | 2363 10756000 |
| TEMPERATURE | SEARCH-RDR-AN/APN-59 | AIR | 66.6666 | | | 58 | .015 | 54 | 2363 10756000 |
| TEMPERATURE | CABIN-AIR-CONDITIONING | AIR | .1 | | | | | 54 | 2363 10756000 |
| TEMPERATURE | CABIN | AIR | 96.9655 | | | 812 | .17532 | 54 | 2363 10756000 |
| TEMPERATURE | CABIN | AIR | 100.623 | | | | .04965 | 54 | 2363 10756000 |
| TEMPERATURE | TRANSPONDER | AIR | 252.16 | | | 150 | .5671 | 54 | 2363 10756000 |
| TEMPERATURE | CABIN/COCKPIT-AIR-CONDITIONING | AIR | 369.105 | | | | .09514 | 54 | 2363 10756000 |
| TEMPERATURE | NAVIGATIONAL-COMPUTER | AIR | 4645.45 | | | | .00594 | 54 | 2363 10756000 |
| TEMPERATURE | AIR-CONDITIONING-SYSTEM | AIR | 21.5355 | | | 708 | .55841 | 54 | 2363 10756000 |
| TEMPERATURE | TURBOPROP-T-56-A7 | AIR | 37.4652 | | | 481 | .18684 | 54 | 2363 10756000 |
| TEMPERATURE | ELECTRICAL-SYSTEM | AIR | 62.8637 | | | 244 | .26622 | 54 | 2363 10756000 |
| TEMPERATURE | ELECTRICAL-SYSTEM | AIR | 66.6823 | | | 1115 | .19945 | 54 | 2363 10756000 |
| TEMPERATURE | ELECTRICAL-SYSTEM | AIR | 105.138 | | | 528 | .51361 | 54 | 2363 10756000 |
| TEMPERATURE | ELECTRICAL-SYSTEM | AIR | 572.347 | | | 400 | .37914 | 54 | 2363 10756000 |
| TEMPERATURE | AIR-CONDITIONING-88 | AIR | 1645.85 | | | 14 | .01762 | 54 | 2363 10756000 |
| TEMPERATURE | AIR-CONDITIONING-88 | AIR | 1270P | | | | | 54 | 2363 10756000 |
| TEMPERATURE | AIR-CONDITIONING-88C | AIR | 1450P | | | | | 54 | 2363 10756000 |
| TEMPERATURE | AIR-CONDITIONING-88C | AIR | 2040P | | | | | 54 | 2363 10756000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 210 CONTROLS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR | CRGS | OF DATA INDEX | RPT SRCE REF NO |
|--------------------------------|--------------|------------------|----------------------------|-------------|--------------|---------------------|-------------------|------------|----|------|---------------|-----------------|
| .00 N.P.C. | | | | | | | | | | | | |
| TEMPERATURE-MANUAL | | | AIR-CONDITIONING-SYSTEM | AIR GND | 841.75 | 1561.39 | | .00594 | 62 | 2320 | 10840000 | |
| TEMPERATURE-CONTROLLER | | | F-111 | AIR | * | 4344.54 | | .00053 | 62 | 2700 | 10842000 | |
| TEMPERATURE-LH-ANC-RH | | | AIR-CONDITIONING-88C | AIR | 1610P | | | | 65 | 2365 | 10844000 | |
| TEMPERATURE-LH-ANC-RH | | | AIR-CONDITIONING-89C | AIR | 1620P | | | | 65 | 2365 | 10846000 | |
| TEMPERATURE-LH-ANC-RH | | | AIR-CONDITIONING-88C | AIR | 2290P | | | | 66 | 2363 | 10848000 | |
| TEMPERATURE-LH-ANC-RH | | | AIR-CONDITIONING-88C | AIR | 2730P | | | | 66 | 2363 | 10850000 | |
| TEMPERATURE-LH-ANC-RH | | | AIR-CONDITIONING-88C | AIR | 2930P | | | | 66 | 2363 | 10852000 | |
| TEMPERATURE-LH-ANC-RH | | | AIR-CONDITIONING-88C | AIR | 3230P | | | | 66 | 2365 | 10854000 | |
| THRUST-REVERSER | | | EXHAUST-707-331 | AIR | 70P | | | | 66 | 2365 | 10856000 | |
| THRUST-REVERSER | | | EXHAUST-707-331 | AIR | 80P | | | | 66 | 2362 | 10858000 | |
| THRUST-REVERSER | | | EXHAUST-707-331 | AIR | 80P | | | | 66 | 2364 | 10860000 | |
| THRUST-REVERSER | | | EXHAUST-707-331 | AIR | 130P | | | | 66 | 2361 | 10862000 | |
| THRUST-REVERSER | | | EXHAUST-707-331 | AIR | 140P | | | | 66 | 2364 | 10864000 | |
| THRUST-REVERSER | | | EXHAUST-707-331 | AIR | 190P | | | | 65 | 2361 | 10866000 | |
| THRUST-REVERSER | | | EXHAUST-707-331 | AIR | 240P | | | | 65 | 2362 | 10868000 | |
| THRUST-REVERSER | | | EXHAUST-707-331 | AIR | 310P | | | | 66 | 2362 | 10870000 | |
| THRUST-REVERSER | | | EXHAUST-707-331 | AIR | 390P | | | | 65 | 2364 | 10872000 | |
| TIMER | | | EXHAUST-707-331 | AIR | 60P | | | | 65 | 2362 | 10874000 | |
| TIMER | | | AIR-CONDITIONING-707-131B | AIR | 120P | | | | 66 | 2362 | 10876000 | |
| TIMER | | | AIR-CONDITIONING-707-331B | AIR | 150P | | | | 65 | 2362 | 10878000 | |
| TIMER | | | AIR-CONDITIONING-707-131 | AIR | 150P | | | | 66 | 2362 | 10880000 | |
| TIMER | | | AIR-CONDITIONING-707-331 | AIR | 170P | | | | 66 | 2362 | 10882000 | |
| TIMER | | | AIR-CONDITIONING-707-331 | AIR | 170P | | | | 66 | 2362 | 10884000 | |
| TIMER | | | AIR-CONDITIONING-707-331B | AIR | 250P | | | | 66 | 2364 | 10886000 | |
| TIMER | | | AIR-CONDITIONING-331C/373C | AIR | 270P | | | | 65 | 2364 | 10888000 | |
| TIMER | | | AIR-CONDITIONING-707-131 | AIR | 290P | | | | 66 | 2364 | 10890000 | |
| TIMER | | | AIR-CONDITIONING-707-331B | AIR | 310P | | | | 65 | 2364 | 10892000 | |
| TIMER | | | AIR-CONDITIONING-707-131B | AIR | 330P | | | | 66 | 2364 | 10894000 | |
| TIMER | | | AIR-CONDITIONING-707-331 | AIR | 470P | | | | 66 | 2364 | 10896000 | |
| TIMER | | | AIR-CONDITIONING-707-131B | AIR | 490P | | | | 65 | 2364 | 10898000 | |
| TIMER | | | AIR-CONDITIONING-707-331 | AIR | 840P | | | | 66 | 2364 | 10900000 | |
| TRANSDUCER-VOLTAGE-TO-PRESSURE | | | AIR-CONDITIONING-SYSTEM | AIR GND | 4713.8 | 6074.06 | | .00594 | 62 | 2320 | 10902000 | |
| TRIM | | | KUDDER-FLIGHT-CONTROL | AIR | 6.7512 | 34.0395 | 472 | .11427 | 65 | 1228 | 10904000 | |
| TRIM | | | RUDDER-FLIGHT-CONTROL | AIR | 9.65456 | 17.9086 | 597 | .51789 | 67 | 1272 | 10906000 | |
| TRIM | | | RUDDER-FLIGHT-CONTROL | AIR | 17.3782 | 27.4305 | 597 | .51789 | 67 | 1272 | 10908000 | |
| TRIM | | | STABILIZER-HORIZONTAL | AIR | 26.2536 | 58.465 | 473 | .11427 | 65 | 1228 | 10910000 | |
| TRIM | | | STABILIZER-HORIZONTAL | AIR | 52.1340 | 67.5032 | 597 | .51789 | 67 | 1272 | 10912000 | |
| TRIM | | | STABILIZER-HORIZONTAL | AIR | 102.649 | 162.057 | 406 | .08766 | 64 | 1179 | 10914000 | |
| TRIM-HORIZONTAL | | | WING-FLIGHT-CONTROL | AIR | 6.7512 | 34.0395 | 473 | .11427 | 65 | 1228 | 10916000 | |
| TRIM-HORIZONTAL | | | WING-FLAP-FLIGHT-CONTROL | AIR | 11.4077 | 44.5725 | 406 | .08766 | 64 | 1179 | 10918000 | |
| UHF-VOR | | | COMMUNICATIONS-727 | AIR | 510P | | | | 66 | 2365 | 10920000 | |
| UHF-VOR | | | COMMUNICATIONS-727 | AIR | 960P | | | | 66 | 2365 | 10922000 | |
| UNIT-FIRE-DETECTION | | | FIRE-PROTECTION-727 | AIR | 1680P | | | | 65 | 2365 | 10924000 | |
| | | | | AIR | 70P | | | | 66 | 2363 | 10926000 | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1969

| PART CLASS | 215 CONTROLS | | | | | UPPER | PART | | YR | CROSS |
|---------------------------|-----------------------------|-------------|--------------|---------|-------|--------|--------|-----|------|----------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | 90 CNF | POPUL | LATION | HOURS | PRT | SRCE | REF NO |
| .06 N.8.6. | | | | | | | | | | |
| UNIT-FIRE-DETECTION | FIRE-PROTECTION.727 | AIR | 200P | | | | | 66 | 2363 | 10928000 |
| UNIT-FIRE-DETECTION | FIRE-PROTECTION.727 | AIR | 220P | | | | | 66 | 2363 | 10930000 |
| UNIT-FIRE-DETECTION | FIRE-PROTECTION.727 | AIR | 240P | | | | | 66 | 2363 | 10932000 |
| UNIT-FIRE-DETECTION | FIRE-PROTECTION.727 | AIR | 300P | | | | | 65 | 2365 | 10934000 |
| UNIT-FIRE-DETECTION | FIRE-PROTECTION.727 | AIR | 300P | | | | | 65 | 2365 | 10936000 |
| UNIT-FIRE-DETECTION | FIRE-PROTECTION.727 | AIR | 340P | | | | | 65 | 2363 | 10938000 |
| UNIT-FIRE-DETECTION | FIRE-PROTECTION.727 | AIR | 430P | | | | | 66 | 2365 | 10940000 |
| UNIT-ISOLATION | ICE-AND-RAIN-PROTECTION.880 | AIR | 430P | | | | | 66 | 2365 | 10942000 |
| UNIT-ISOLATION | ICE-AND-RAIN-PROTECTION.880 | AIR | 150P | | | | | 66 | 2365 | 10944000 |
| UNIT-ISOLATION | ICE-AND-RAIN-PROTECTION.880 | AIR | 150P | | | | | 66 | 2363 | 10946000 |
| UNIT-ISOLATION | ICE-AND-RAIN-PROTECTION.880 | AIR | 320P | | | | | 66 | 2365 | 10948000 |
| UNIT-ISOLATION | ICE-AND-RAIN-PROTECTION.880 | AIR | 320P | | | | | 66 | 2363 | 10950000 |
| VALVE-COLD-AIR-MODULATING | AIR-CONDITIONING-SYSTEM | AIR GND | 168.35 | 654.831 | | | .00594 | 62 | 2320 | 10954000 |
| VARIABLE-GEOMETRY | TURBOJET. J-85 | AIR | * | 22.6055 | 812 | | .10196 | 64 | 1179 | 10956000 |
| VARIABLE-GEOMETRY | TURBOJET. J-85 | AIR | 2.7512 | 23.2882 | 946 | | .2285 | 65 | 1228 | 10958000 |
| VERTICAL-GYRO | | AIR | 1814.12 | 1890.82 | | | .538 | 63 | 2115 | 10960000 |
| VHF-VOR | COMMUNICATIONS.707-331 | AIR | 150P | | | | | 65 | 2364 | 10962000 |
| VHF-VOR | COMMUNICATIONS.707-331B | AIR | 210P | | | | | 65 | 2364 | 10964000 |
| VHF-VOR | COMMUNICATIONS.331C/373C | AIR | 250P | | | | | 66 | 2365 | 10966000 |
| VHF-VOR | COMMUNICATIONS.707-331 | AIR | 340P | | | | | 66 | 2362 | 10968000 |
| VHF-VOR | COMMUNICATIONS.707-331 | AIR | 390P | | | | | 65 | 2361 | 10970000 |
| VHF-VOR | COMMUNICATIONS.331C/373C | AIR | 460P | | | | | 65 | 2360 | 10972000 |
| VHF-VOR | COMMUNICATIONS.707-131B | AIR | 470P | | | | | 66 | 2364 | 10974000 |
| VHF-VOR | COMMUNICATIONS.331C/373C | AIR | 480P | | | | | 66 | 2360 | 10976000 |
| VHF-VOR | COMMUNICATIONS.707-331 | AIR | 510P | | | | | 65 | 2362 | 10978000 |
| VHF-VOR | COMMUNICATIONS.707-231B | AIR | 510P | | | | | 66 | 2364 | 10980000 |
| VHF-VOR | COMMUNICATIONS.331C/373C | AIR | 510P | | | | | 66 | 2365 | 10982000 |
| VHF-VOR | COMMUNICATIONS.880 | AIR | 600P | | | | | 66 | 2365 | 10984000 |
| VHF-VOR | COMMUNICATIONS.880 | AIR | 630P | | | | | 66 | 2365 | 10986000 |
| VHF-VOR | COMMUNICATIONS.707-131B | AIR | 630P | | | | | 65 | 2364 | 10988000 |
| VHF-VOR | COMMUNICATIONS.707-331 | AIR | 670P | | | | | 66 | 2364 | 10990000 |
| VHF-VOR | COMMUNICATIONS.707-131 | AIR | 680P | | | | | 66 | 2361 | 10992000 |
| VHF-VOR | COMMUNICATIONS.707-331B | AIR | 690P | | | | | 66 | 2361 | 10994000 |
| VHF-VOR | COMMUNICATIONS.707-131B | AIR | 740P | | | | | 66 | 2362 | 10996000 |
| VHF-VOR | COMMUNICATIONS.707-131 | AIR | 760P | | | | | 65 | 2362 | 10998000 |
| VHF-VOR | COMMUNICATIONS.707-331B | AIR | 790P | | | | | 65 | 2362 | 11000000 |
| VHF-VOR | COMMUNICATIONS.880 | AIR | 790P | | | | | 65 | 2360 | 11002000 |
| VHF-VOR | COMMUNICATIONS.707-131B | AIR | 800P | | | | | 65 | 2361 | 11004000 |
| VHF-VOR | COMMUNICATIONS.880 | AIR | 800P | | | | | 66 | 2360 | 11006000 |
| VHF-VOR | COMMUNICATIONS.707-331B | AIR | 840P | | | | | 66 | 2361 | 11008000 |
| VHF-VOR | COMMUNICATIONS.707-331B | AIR | 840P | | | | | 65 | 2361 | 11010000 |
| VHF-VOR | COMMUNICATIONS.707-131B | AIR | 900P | | | | | 66 | 2361 | 11012000 |
| VHF-VOR | COMMUNICATIONS.707-131 | AIR | 910P | | | | | 66 | 2364 | 11014000 |
| VHF-VOR | COMMUNICATIONS.707-131B | AIR | 960P | | | | | 65 | 2362 | 11016000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

MONOELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 21C CONTROLS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER 90 CONF LIMIT

PART POPU- LATION

PART HOURS

YR OF DATA INDEX

RPT SRCE REF NO

CROSS

.00 N.B.C.

| | | | | | |
|--------------------------|--------------------------|-----|-------|---------|----------|
| VHF-VOR | COMMUNICATIONS-707-131 | AIR | 990P | 64 2362 | 11012000 |
| VHF-VOR | COMMUNICATIONS-707-331 | AIR | 1050P | 64 2361 | 11020000 |
| VHF-VOR | COMMUNICATIONS-707-131B | AIR | 1050P | 66 2364 | 11022000 |
| VHF-VOR | COMMUNICATIONS-707-131B | AIR | 1090P | 66 2361 | 11024000 |
| VHF-VOR | COMMUNICATIONS-707-331 | AIR | 1100P | 66 2364 | 11026000 |
| VHF-VOR | COMMUNICATIONS-707-331B | AIR | 1170P | 66 2364 | 11028000 |
| VHF-VOR | COMMUNICATIONS-880 | AIR | 1200P | 65 2365 | 11030000 |
| VHF-VOR | COMMUNICATIONS-707-331B | AIR | 1210P | 66 2362 | 11032000 |
| VHF-VOR | COMMUNICATIONS-880 | AIR | 1280P | 66 2360 | 11034000 |
| VHF-VOR | COMMUNICATIONS-707-131B | AIR | 1280P | 66 2362 | 11036000 |
| VHF-VOR | COMMUNICATIONS-707-131 | AIR | 1310P | 65 2361 | 11038000 |
| VHF-VOR | COMMUNICATIONS-707-131 | AIR | 1370P | 66 2362 | 11040000 |
| VHF-VOR | COMMUNICATIONS-707-331B | AIR | 1420P | 66 2362 | 11042000 |
| VHF-VOR | COMMUNICATIONS-331C/373C | AIR | 1470P | 65 2365 | 11044000 |
| VHF-VOR | COMMUNICATIONS-707-131 | AIR | 1500P | 65 2364 | 11046000 |
| VHF-VOR | COMMUNICATIONS-707-131 | AIR | 1670P | 66 2361 | 11048000 |
| VHF-VOR | COMMUNICATIONS-707-131 | AIR | 1780P | 66 2364 | 11050000 |
| VHF-VOR | COMMUNICATIONS-707-331 | AIR | 1810P | 66 2361 | 11052000 |
| VHF-VOR | COMMUNICATIONS-707-331 | AIR | 1860P | 66 2362 | 11054000 |
| VHF-VOR-UNIT | COMMUNICATIONS-331C/373C | AIR | 270P | 66 2363 | 11056000 |
| VHF-VOR-UNIT | COMMUNICATIONS-880 | AIR | 590P | 65 2363 | 11058000 |
| VHF-VOR-UNIT | COMMUNICATIONS-331C/373C | AIR | 760P | 66 2363 | 11060000 |
| VHF-VOR-UNIT | COMMUNICATIONS-880 | AIR | 910P | 66 2363 | 11062000 |
| VHF-VOR-UNIT | COMMUNICATIONS-880 | AIR | 990P | 65 2363 | 11064000 |
| WATER-INJECTION-DIFFUSER | COMMUNICATIONS-331C/373C | AIR | 1120P | 65 2363 | 11066000 |
| WATER-INJECTION-DIFFUSER | WATER-INJECTION-707-131 | AIR | 60P | 66 2362 | 11068000 |
| WATER-INJECTION-DIFFUSER | WATER-INJECTION-707-131 | AIR | 60P | 66 2364 | 11070000 |
| WATER-INJECTION-DIFFUSER | WATER-INJECTION-707-131 | AIR | 70P | 65 2361 | 11072000 |
| WATER-INJECTION-INLET | WATER-INJECTION-707-131 | AIR | 110P | 66 2362 | 11074000 |
| WEATHER-RADAR | WATER-INJECTION-707-131 | AIR | 60P | 66 2364 | 11076000 |
| WEATHER-RADAR | NAVIGATION-707-131B | AIR | 130P | 66 2364 | 11078000 |
| WEATHER-RADAR | NAVIGATION-707-131B | AIR | 140P | 65 2364 | 11080000 |
| WEATHER-RADAR | NAVIGATION-880 | AIR | 160P | 65 2365 | 11082000 |
| WEATHER-RADAR | NAVIGATION-707-331B | AIR | 190P | 65 2364 | 11084000 |
| WEATHER-RADAR | NAVIGATION-707-131 | AIR | 270P | 65 2364 | 11086000 |
| WEATHER-RADAR | NAVIGATION-880 | AIR | 300P | 66 2365 | 11088000 |
| WEATHER-RADAR | NAVIGATION-707-331 | AIR | 310P | 65 2364 | 11090000 |
| WEATHER-RADAR | NAVIGATION-707-131B | AIR | 320P | 65 2362 | 11092000 |
| WEATHER-RADAR | NAVIGATION-880 | AIR | 320P | 66 2365 | 11094000 |
| WEATHER-RADAR | NAVIGATION-880 | AIR | 330P | 66 2363 | 11096000 |
| WEATHER-RADAR | NAVIGATION-880 | AIR | 430P | 66 2360 | 11098000 |
| WEATHER-RADAR | NAVIGATION-331C/373C | AIR | 460P | 65 2360 | 11100000 |
| WEATHER-RADAR | NAVIGATION-880 | AIR | 430P | 65 2360 | 11102000 |
| WEATHER-RADAR | NAVIGATION-880 | AIR | 60C | 66 2360 | 11104000 |
| WEATHER-RADAR-UNIT | NAVIGATION-707-131B | AIR | 120P | 66 2361 | 11106000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 210 CONTROLS

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | 50 CONF LIMIT | PART LATION HOURS | OF DATA INDEX | YR OF DATA INDEX | |
|---------------------|----------------------------------|-------------|--------------|---------------|-------------------|---------------|------------------|----------|
| WEATHER-RADAR-UNIT | NAVIGATION.707-1318 | AIR | 130P | | | 65 2361 | 11180000 | |
| WEATHER-RADAR-UNIT | NAVIGATION.707-131 | AIR | 230P | | | 66 2361 | 11110000 | |
| WEATHER-RADAR-UNIT | NAVIGATION.707-3318 | AIR | 560P | | | 66 2361 | 11120000 | |
| WEATHER-RADAR-UNIT | NAVIGATION.707-1318 | AIR | 690P | | | 66 2361 | 11140000 | |
| WEATHER-RADAR-UNIT | NAVIGATION.707-131 | AIR | 780P | | | 55 2361 | 11160000 | |
| WINDM-HEAT | | AIR | 117.272 | 197.2 | 155 | .05969 | 63 1111 | 11180000 |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-1318 | AIR | 110P | | | 66 2361 | 11120000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-1318 | AIR | 130P | | | 66 2364 | 11120000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-131 | AIR | 230P | | | 66 2362 | 11124000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-3318 | AIR | 260P | | | 66 2361 | 11126000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-1318 | AIR | 270P | | | 65 2361 | 11128000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-1318 | AIR | 270P | | | 66 2364 | 11130000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-131 | AIR | 270P | | | 55 2364 | 11132000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-331 | AIR | 310P | | | 65 2364 | 11134000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-331 | AIR | 310P | | | 66 2362 | 11136000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-331 | AIR | 340P | | | 66 2362 | 11138000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-331 | AIR | 340P | | | 65 2362 | 11140000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-3318 | AIR | 490P | | | 66 2362 | 11142000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-3318 | AIR | 510P | | | 66 2364 | 11144000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-1318 | AIR | 560P | | | 65 2364 | 11146000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-3318 | AIR | 560P | | | 66 2361 | 11148000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-331 | AIR | 630P | | | 66 2364 | 11150000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-1318 | AIR | 640P | | | 65 2362 | 11152000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-331 | AIR | 670P | | | 66 2364 | 11154000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-3318 | AIR | 850P | | | 55 2364 | 11156000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-3318 | AIR | 1020P | | | 65 2361 | 11158000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-3318 | AIR | 1170P | | | 66 2364 | 11160000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-3318 | AIR | 1570P | | | 65 2361 | 11162000 | |
| WINDSHIELD-HEAT | ICE-AND-RAIN-PROTECTION.707-131 | AIR | 190P | | | 66 2360 | 11164000 | |
| WINDSHIELD-HEAT | NAVIGATION.72 | AIR | 220P | | | 66 2363 | 11166000 | |
| WINDSHIELD-HEAT | NAVIGATION.72 | AIR | 230P | | | 66 2360 | 11168000 | |
| WINDSHIELD-HEAT | NAVIGATION.72 | AIR | 430P | | | 66 2365 | 11170000 | |
| WINDSHIELD-HEAT | NAVIGATION.72 | AIR | 430P | | | 66 2365 | 11172000 | |
| WINDSHIELD-HEAT | NAVIGATION.72 | AIR | 470P | | | 66 2363 | 11174000 | |
| WINDSHIELD-HEAT | NAVIGATION.72 | AIR | 610P | | | 65 2365 | 11176000 | |
| WINDSHIELD-HEAT | NAVIGATION.72 | AIR | 1100P | | | 65 2360 | 11178000 | |
| 28VDC/115VAC.400CPS | FUEL-SYSTEM | HELI | 166.666 | 309.156 | 120 | .03 | 65 1215 | 11180000 |

.00 N-B-G.

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 212 CONVERTERS, MECHANICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|----------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|------------|----------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
 SECTION I FAILURE RATE DATA

| PART CLASS | | 214 CONVEYERS | | NONELECTRONIC PART FAILURE RATE DATA | | | | | | | | | | JANUARY 1968 | |
|------------------|------------------------|---------------|--------------|--------------------------------------|-------|---------------|----------|----------|----------|----------|----------|----------|----------|--------------|----------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER | | PART POSITION | PART NO. | PART NO. | PART NO. | PART NO. | PART NO. | PART NO. | PART NO. | PART NO. | PART NO. |
| | | | | 50 CONF | LIMIT | | | | | | | | | | |
| .00 N.O.C. | | | | | | | | | | | | | | | |
| ROLLER | CARGO-COMPARTMENT | AIR | 4.25531 | 7.15556 | 3040 | 1.645 | 66 | 1250 | 11228000 | | | | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1969

| PART CLASS | 214 COOLERS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CON- LIMIT | PART LATION | PART RPT | YR OF DATA | CROSS INDEX |
|------------------|-------------------------------------|------------------------|-------------|--------------|------------------------|----------------|-------------|---------------|----------------|
| PART DESCRIPTION | | | | | | | | | |
| •00 N.O.C. | | | | | | | | | |
| AIR-OIL | OIL-AUX-PUMP-HYDRAULIC-POWER-SUPPLY | AIR | * | 18.1435 | 50 | -12691 | 63 | 1198 | 11230000 |
| AIR-OIL | OIL-SYSTEM-AUXILIARY-POWER-UNIT | AIR | * | 55.9634 | 76 | 04113 | 66 | 1250 | 11232000 |
| AIR-OIL | OIL-SYSTEM-AUX-POWER-UNIT | AIR | * | 93.1472 | 43 | 02472 | 65 | 1227 | 11234000 |
| AIR-OIL | OIL-AUX-PUMP-HYDRAULIC-POWER-SUPPLY | AIR | * | 19.7868 | 100 | 11637 | 65 | 1198 | 11236000 |
| | | LAB | 4.2 | | | | 63 | 1128 | 11238000 |
| | HYDRAULIC-POWER-SUPPLY | AIR | 21.878 | 40.5823 | 946 | 22854 | 65 | 1228 | 11240000 |
| | HYDRAULIC-POWER-SUPPLY | AIR | 27.0348 | 54.8362 | 1194 | 10357 | 67 | 1272 | 11242000 |
| | HYDRAULIC-POWER-SUPPLY | IR | 57.0385 | 87.8773 | 812 | 17532 | 64 | 1179 | 11244000 |
| | | AIR | 140 | | | | 57 | 1211 | 11246000 |
| | LIAISON-RADIO-ARC-58 | AIR | 251.256 | 559.53 | 31 | 01124 | 63 | 1111 | 11248000 |
| | CONSTANT-SPEED-DRIVE-SYSTEM | AIR | * | 13.9975 | 304 | 1645 | 66 | 1250 | 11250000 |
| | ENGINE-SYSTEM | AIR | * | 23.2868 | 192 | 09886 | 65 | 1227 | 11252000 |
| | ENGINE-SYSTEM | AIR | 6.07802 | 23.6455 | 304 | 1645 | 66 | 1250 | 11254000 |
| | CSD-SYSTEM | AIR | 30.3398 | 67.5647 | 192 | 09888 | 65 | 1227 | 11256000 |
| | MOSE-CONE | GRD | 126.582 | 492.367 | | 0079 | 62 | 1135 | 11258000 |
| | MAIN-FUEL-CELL | AIR | 247.696 | 324.057 | | 10093 | 63 | 1123 | 11260000 |
| | OIL-TRANSMISSION-OIL | AIR | 30P | | | | 66 | 2361 | 11262000 |
| | CONSTANT-SPEED-DRIVE-OIL | AIR | 30P | | | | 66 | 2361 | 11264000 |
| | CONSTANT-SPEED-DRIVE-OIL | AIR | 30P | | | | 65 | 2361 | 11266000 |
| | CONSTANT-SPEED-DRIVE-OIL | AIR | 30P | | | | 65 | 2361 | 11268000 |
| | CONSTANT-SPEED-DRIVE-OIL | AIR | 70P | | | | 66 | 2364 | 11270000 |
| | CONSTANT-SPEED-DRIVE-OIL | AIR | 100P | | | | 66 | 2364 | 11272000 |
| | CONSTANT-SPEED-DRIVE-OIL | AIR | 70P | | | | 66 | 2362 | 11274000 |
| | FUEL-OIL | AIR | * | 23.2868 | 192 | 07800 | 65 | 1227 | 11276000 |
| | FUEL-OIL | AIR | * | 13.9975 | 304 | 1643 | 66 | 1250 | 11278000 |
| | HEAT-EXCHANGER | AIR | 80P | | | | 65 | 2362 | 11280000 |
| | HEAT-EXCHANGER | AIR | 374.531 | 1456.81 | 36 | 00267 | 66 | 1256 | 11282000 |
| | HEAT-EXCHANGER | AIR | 17.3913 | 46.2808 | | 115 | 61 | 1084 | 11284000 |
| | HEAT-EXCHANGER | AIR | 35.7142 | 136.917 | | 028 | 61 | 1082 | 11286000 |
| | ENGINE | AIR | * | 24.1109 | 248 | 0935 | 63 | 1111 | 11288000 |
| | ENGINE-TURBOJET-J-65 | AIR | 4.3756 | 17.0197 | 948 | 22854 | 65 | 1228 | 11290000 |
| | ENGINE | AIR | 16.129 | 62.737 | 272 | 062 | 63 | 1114 | 11292000 |
| | GTC-AUX-POWER-PLANT | AIR | 23.5904 | 62.7777 | 50 | 08478 | 63 | 1198 | 11294000 |
| | GTC-AUX-POWER-PLANT | AIR | 26.6666 | 70.964 | 50 | 075 | 63 | 1114 | 11296000 |
| | ENGINE | AIR | 47.263 | 62.9892 | 400 | 46548 | 65 | 1198 | 11298000 |
| | GTC-AUX-POWER-PLANT | AIR | 55.1571 | 92.7499 | 50 | 12691 | 63 | 1198 | 11300000 |
| | GTC-AUX-POWER-PLANT | AIR | 56.8181 | 101.394 | 102 | 088 | 63 | 1114 | 11302000 |
| | ENGINE-AIR | AIR | 72.7272 | 145.337 | 320 | 055 | 61 | 1080 | 11304000 |
| | ENGINE | AIR | 74.8576 | 92.955 | 200 | 50763 | 65 | 1198 | 11306000 |
| | ENGINE | AIR | 76.4872 | 99.0347 | 408 | 353 | 63 | 1114 | 11308000 |
| | GTC-AUX-POWER-PLANT | AIR | 77.3395 | 122.076 | 100 | 11637 | 65 | 1198 | 11310000 |
| | ENGINE | AIR | 176.928 | 209.952 | 200 | 33912 | 63 | 1198 | 11312000 |
| | ENGINE | AIR | 180.602 | 216.362 | 200 | 299 | 63 | 1114 | 11314000 |
| | CONSTANT-SPEED-DRIVE-GENERATOR | AIR | 188.481 | 257.507 | 124 | 04775 | 63 | 1111 | 11316000 |
| | CONSTANT-SPEED-DRIVE-TRANSMISSION | AIR | 200 | 301.784 | 320 | 055 | 61 | 1080 | 11318000 |
| | | HELI | 317.919 | 479.715 | 40 | 0346 | 66 | 1257 | 11320000 |

NON-ELECTRONIC PARTY FALLOUT DATA JANUARY 1968

696 E. 7th St.

FUNCTIONAL APPLICATION

| UPPER | PART | OC CONF | POPUL | LIMIT | LATION |
|-------|------|---------|-------|-------|--------|
|-------|------|---------|-------|-------|--------|

CRSS INDEX
DATA INDEX
DATE INDEX

| | | | | | | | |
|-----|---------|---------|------|--------|----|------|----------|
| AIR | 1.947 | 7.57325 | 528 | -51361 | 65 | 1201 | 11354000 |
| AIR | 10.0275 | 13.5598 | 1716 | 1.9945 | 65 | 1201 | 11356000 |
| AIR | 10.9223 | 21.8271 | 244 | -36622 | 65 | 1201 | 11358000 |
| AIR | 27.9281 | 40.7277 | 400 | -46548 | 65 | 1198 | 11360000 |
| AIR | 32.258 | 85.8435 | 272 | -062 | 63 | 1174 | 11362000 |
| AIR | 56.6572 | 76.615 | 408 | -353 | 63 | 1114 | 11364000 |
| AIR | 70.9177 | 88.604 | 200 | -50763 | 65 | 1198 | 11366000 |
| AIR | 327.759 | 374.401 | 200 | -299 | 63 | 1114 | 11368000 |
| AIR | 356.805 | 402.075 | 200 | -33912 | 63 | 1198 | 11370000 |

KOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 222 COUNTERS

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------|------------------------|-------------|--------------|---------------------|-------------|------------|------------|-------------|
|------------------|------------------------|-------------|--------------|---------------------|-------------|------------|------------|-------------|

.00 M-6-C-

| | | | | | | | | |
|----------------------|-------------|---------|----------|---------|--------|----|------|-----------|
| NAVIGATION-SUBSYSTEM | LAB | 4.2 | 5.91133 | 8.75938 | 2.03 | 63 | 1138 | 11372000 |
| | AIR GND | | 12.8205 | 34.1173 | .156 | 57 | 212 | 11374000 |
| | GRD | | 44.507 | 148.339 | .071 | 61 | 1081 | 11378000 |
| | AIR | | 196.913 | 219.403 | .74652 | 62 | 2372 | 11380000 |
| BINARY-TENS-RING | AIR | 200 | | | | 61 | 1068 | 11382000 |
| | AIR | 3000 | 4258.48 | 40 | .025 | 62 | 095 | 11384000A |
| | SUB | 140.056 | 372.71 | 60 | .01428 | 65 | 1246 | 11386000 |
| | SUB | 160 | 622.352 | 18 | .00625 | 64 | 1151 | 11388000A |
| BINARY-UITS-RING | SUB | 105.003 | 233.839 | 120 | .02857 | 65 | 1246 | 11390000 |
| | SUB | 270.833 | 394.957 | 124 | .042 | 63 | 1111 | 11392000 |
| | AIR | 1930.5 | 3580.96 | | .0025 | 62 | 2700 | 11394000 |
| | AIR | 4143.64 | 5881.37 | | .00322 | 62 | 2700 | 11396000 |
| F-III | AIR | 4687.5 | 10438.7 | | .07064 | 62 | 2700 | 11398000 |
| | AIR | * | .032249A | 6 | 71.4A | 66 | 1238 | 11400000A |
| | LAB | * | .032249A | 6 | 71.4A | 66 | 1238 | 11402000A |
| | SIM GRD AIR | * | 287.825 | 139 | .008 | 63 | 1117 | 11404000 |
| DOPPLER-NAVIGATION | SIM GRD AIR | * | 190.454 | 193 | .01229 | 64 | 1131 | 11406000A |
| | GRD | * | 577.092 | | .00399 | 64 | 1180 | 11408000 |
| | AIR | * | 53.1472 | 48 | .02472 | 65 | 1227 | 11410000 |
| | AIR | * | 55.9934 | 76 | .04113 | 66 | 1250 | 11412000 |
| GTC-AUX-POWER-PLANT | AIR | 8.59328 | 33.4252 | 100 | .11637 | 65 | 1198 | 11414000 |
| | AIR | 23.5904 | 62.7777 | 50 | .05478 | 63 | 1198 | 11416000 |
| | AIR | 23.6387 | 52.642 | 50 | .12691 | 65 | 1198 | 11418000 |
| | AIR | 26.6666 | 70.964 | 50 | .075 | 63 | 1114 | 11420000 |
| GTC-AUX-POWER-PLANT | AIR | 34.0909 | 75.9181 | 102 | .088 | 63 | 1114 | 11422000 |
| | AIR | | | | | | | |
| | AIR | | | | | | | |
| | AIR | | | | | | | |

.30 MECHANICAL

| | | | | | | | | |
|------------|---------|-----|---------|------|--------|----|------|-----------|
| MECHANICAL | AIR | * | 11.6883 | 1093 | .197 | 66 | 1233 | 11424000 |
| | SIM AIR | * | 1101.72 | 4 | .01209 | 64 | 1131 | 11426000A |
| | AIR | 100 | | | | 61 | 1068 | 11428000 |
| | AIR | | | | | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 233 COVERS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | PART HOURS | YR OF DATA INDEX | CROSS RPT SRCE REF NO |
|--|-------------|------------------------|-------------|--------------|---------------------|-------------|------------|------------------|-----------------------|
| PART DESCRIPTION | | | | | | | | | |
| -OC N.O.C. | | | | | | | | | |
| TERMINAL-STRIP-AUTO-PILOT-JUNCTION-BOX | AIR | * | 4.23396 | 1056 | -54364 | 65 | 1227 | 11430000 | |
| CONTROL-COLUMN-HEAD-ELEVATOR-ASBLY | AIR | * | 61.5736 | 96 | -04944 | 65 | 1227 | 11432000 | |
| JUNCTION-BOX-FUSELAGE-CENTER | AIR | * | 46.5736 | 96 | -04944 | 65 | 1227 | 11434000 | |
| CONTROL-COLUMN-HEAD-ELEVATOR-ASBLY | AIR | * | 9.89344 | 200 | -23274 | 65 | 1198 | 11436000 | |
| JOINT-CMS-220-WING-OUTER | AIR | * | 4.94672 | 400 | -46568 | 65 | 1198 | 11438000 | |
| MASTER-CAUTION/ANNUNCIATOR-LIGHTING-INT | AIR | * | 27.9917 | 152 | -08226 | 66 | 1250 | 11440000A | |
| MASTER-CAUTION/ANNUNCIATOR-LIGHTING-INTERIOR | AIR | * | 46.5736 | 96 | -04944 | 65 | 1227 | 11442000 | |
| CONTROL-WHEEL-AILERON-CONTROL-SYSTEM | AIR | * | 46.5736 | 96 | -04944 | 65 | 1227 | 11444000 | |
| COMPARTMENT-CAMERA | AIR | * | 192.847 | 31 | -01194 | 63 | 1111 | 11446000 | |
| SCOPE-FLIGHT-INDICATOR-TOSS-BOMB-COMPUTER | SIM GRD AIR | * | 82.9765 | 195 | -02775 | 64 | 1181 | 11448000A | |
| BATTERY-BOX-DC-POWER-SUPPLY | AIR | * | 93.1472 | 48 | -02472 | 65 | 1227 | 11450000 | |
| HOLE-PLUG-ANTENNA-MOUNTING-AIR-DUCT | AIR | * | 1466.62 | | -00157 | 63 | 1123 | 11452000 | |
| SINK-GALLEY | AIR | * | 19.7868 | 100 | -11637 | 65 | 1198 | 11454000 | |
| CONTROL-COLUMN-HALF-MOON-ELEVATOR-ASSEMBLY | AIR | * | 9.89344 | 200 | -23274 | 65 | 1198 | 11456000 | |
| ANNUNCIATOR-PANEL-LIGHTING-INTERIOR | AIR | * | 9.31472 | 480 | -2472 | 65 | 1227 | 11458000 | |
| ANNUNCIATOR-PANEL-LIGHTING-INTERIOR | AIR | * | 5.59834 | 760 | -4113 | 66 | 1250 | 11460000A | |
| SUMP-JAR-DC-POWER-SUPPLY | AIR | * | 93.1472 | 48 | -02472 | 65 | 1227 | 11462000 | |
| BORESIGHT-ALAPTER | LAB | * | .18 | | | 63 | 1138 | 11464000 | |
| HJUSING-ACCESSORY-DRIVE-POWER-SECTION | AIR | * | 50.1379 | 1716 | 1.9945 | 65 | 1201 | 11466000 | |
| TERMINAL-STRIP-INTERCOM-SYSTEM | AIR | * | 1.68554 | 6.53626 | 1152 | 59326 | 65 | 1227 | 11468000 |
| OIL-FILTER-POWER-SECTION-LUBE-SYSTEM | AIR | * | 1.79079 | 6.96567 | 708 | 55841 | 65 | 1201 | 11470000 |
| VALVE-HOUSING-HYDRAULIC-PROPELLOR-ASSEMBLY | AIR | * | 2.14832 | 8.35632 | 400 | 46548 | 65 | 1198 | 11472000 |
| CONTROL-COLUMN-HALF-MOON-ELEVATOR-ASSEMBLY | AIR | * | 3.9398 | 15.3246 | 100 | 25382 | 65 | 1198 | 11474000 |
| CONTROL-COLUMN-HEAD-ELEVATOR-ASBLY | AIR | * | 3.9398 | 15.3246 | 100 | 25382 | 65 | 1198 | 11476000 |
| SCAVENGE-PUMP-DIFFUSER-POWER-SECTION | AIR | * | 4.86121 | 18.5086 | 260 | 20571 | 65 | 1201 | 11478000 |
| SHAFT-EXTENSION-COMPRESSOR-POWER-SECTION | AIR | * | 5.6707 | 15.0905 | 448 | 35269 | 65 | 1201 | 11480000 |
| RELAY-DISTRIBUTION-DC-POWER-SUPPLY | AIR | * | 17.1865 | 45.736 | 100 | 11637 | 65 | 1198 | 11482000 |
| TERMINAL-STRIP-AUDIBLE-WARNING-SYS | AIR | * | 20.2265 | 78.6751 | 96 | 04944 | 65 | 1227 | 11484000 |
| HINGE-DOOR-MECHANICAL-CREW | AIR | * | 21.4832 | 39.85 | 200 | 73274 | 65 | 1198 | 11486000 |
| CONVERTER-OXYGEN-FIXED-SYSTEM | AIR | * | 25.7798 | 57.4095 | 100 | 11537 | 65 | 1198 | 11488000 |
| FILLER-VALVE-OXYGEN-SUPPLY | AIR | * | 27.9251 | 108.62 | 23 | 03581 | 63 | 1111 | 11490000 |
| TERMINAL-STRIP-AC-POWER-SUPPLY | AIR | * | 39.3979 | 73.0809 | 50 | 12691 | 65 | 1198 | 11492000 |
| JOINT-DUCT-BLEED-AIR-SYSTEM | AIR | * | 40.453 | 157.35 | 48 | 02472 | 65 | 1227 | 11494000 |
| TERMINAL-STRIP-POWER-SUPPLY | AIR | * | 40.453 | 157.35 | 48 | 02472 | 65 | 1227 | 11496000 |
| TERMINAL-STRIP-AUX-SYS-RADIO-NAV | AIR | * | 40.453 | 157.35 | 48 | 02472 | 65 | 1227 | 11498000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 233 COVERS | | | | UPPER | PART | | YR | CROSS |
|------------------|--|-------------|--------------|---------------|------------|------------|---------|----------|--------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | 90 CONF LIMIT | POPULATION | PART HOURS | OF DATA | RPT SRCE | INDEX REF NO |
| .00 N.O.C. | | | | | | | | | |
| | RELAY-POWER-SUPPLY | AIR | 40.453 | 157.35 | 48 | .02472 | 65 | 1227 | 11500000 |
| | TERMINAL-STRIP-POWER-SUPPLY | AIR | 40.453 | 157.35 | 48 | .02472 | 65 | 1227 | 11502000 |
| | ENGINE-MACELLE/WING-GAP | LAB | 43.956 | 116.973 | 124 | .0455 | 63 | 1111 | 11504000 |
| | FUSELAGE-CENTER-SECTION | AIR | 45.6308 | 91.1881 | 406 | .08764 | 64 | 1179 | 11506000 |
| | TERMINAL-STRIP-AC-POWER-SUPPLY | AIR | 56.8181 | 105.394 | 102 | .088 | 63 | 1114 | 11508000 |
| | PAC-CREW-BUNK-FLIGHT-DECK | AIR | 60.6796 | 135.129 | 96 | .04944 | 65 | 1227 | 11510000 |
| | RELAY-DISTRIBUTION-DC-POWER-SUPPLY | AIR | 66.6666 | 259.313 | 68 | .015 | 63 | 1114 | 11512000 |
| | TERMINAL-STRIP-DC-POWER-SUPPLY | AIR | 68.7462 | 111.667 | 100 | .11637 | 65 | 1198 | 11514000 |
| | TERMINAL-STRIP-DC-POWER-SUPPLY | AIR | 70.9163 | 111.937 | 50 | .12691 | 65 | 1198 | 11516000 |
| | FUSELAGE-CENTER-SECTION | AIR | 78.7608 | 124.319 | 473 | .11427 | 65 | 1228 | 11518000 |
| | HINGE-DOOR-MECHANICAL-CREW | AIR | 79.5454 | 114.363 | 204 | .176 | 63 | 1114 | 11520000 |
| | TERMINAL-STRIP-AC-POWER-SUPPLY | AIR | 85.9328 | 132.393 | 100 | .11637 | 65 | 1198 | 11522000 |
| | TERMINAL-STRIP-DC-POWER-SUPPLY | AIR | 102.272 | 161.431 | 102 | .088 | 63 | 1114 | 11524000 |
| | HINGE-DOOR-MECHANICAL-CREW | AIR | 106.374 | 137.732 | 100 | .25382 | 65 | 1198 | 11526000 |
| | CONTROL-COLUMN-HEAD-ELEVATOR-ASSEMBLY | AIR | 112.054 | 152.763 | 100 | .16956 | 63 | 1198 | 11528000 |
| | CONTROL-COLUMN-HALF-MOON-ELEVATOR-ASSEMBLY | AIR | 112.054 | 152.763 | 100 | .16956 | 63 | 1198 | 11530000 |
| | RELAY-DISTRIBUTION-AC-POWER-SUPPLY | AIR | 126.073 | 176.909 | 50 | .12691 | 65 | 1198 | 11532000 |
| | CONTROL-COLUMN-HALF-MOON-ELEVATOR-ASSEMBLY | AIR | 127.516 | 173.842 | 100 | .149 | 63 | 1114 | 11534000 |
| | RELAY-DISTRIBUTION-AC-POWER-SUPPLY | AIR | 170.454 | 241.979 | 102 | .088 | 63 | 1114 | 11536000 |
| | HINGE-DOOR-MECHANICAL-CREW | AIR | 212.314 | 265.283 | 100 | .16956 | 63 | 1198 | 11538000 |
| | HINGE-DOOR-MECHANICAL-CREW | AIR | 214.765 | 272.098 | 100 | .149 | 63 | 1114 | 11540000 |
| | RELAY-DISTRIBUTION-DC-POWER-SUPPLY | AIR | 228.508 | 293.119 | 50 | .12691 | 65 | 1198 | 11542000 |
| | RELAY-DISTRIBUTION-DC-POWER-SUPPLY | AIR | 306.818 | 397.214 | 102 | .088 | 63 | 1114 | 11544000 |
| | RELAY-DISTRIBUTION-AC-POWER-SUPPLY | AIR | 495.399 | 608.418 | 50 | .08478 | 63 | 1198 | 11546000 |
| | RELAY-DISTRIBUTION-AC-POWER-SUPPLY | AIR | 546.666 | 673.2 | 50 | .075 | 63 | 1114 | 11548000 |
| | FOOT/WING-GAP | AIR | 963.552 | 1275.9 | 62 | .02367 | 63 | 111 | 11550000 |
| | TERMINAL-STRIP-AC-POWER-SUPPLY | AIR | 1214.9 | 1383.16 | 50 | .08478 | 63 | 1198 | 11552000 |
| | RELAY-DISTRIBUTION-DC-POWER-SUPPLY | AIR | 1214.9 | 1383.16 | 50 | .08478 | 63 | 1198 | 11554000 |
| | RELAY-DISTRIBUTION-DC-POWER-SUPPLY | AIR | 1320 | 1506.8 | 50 | .075 | 63 | 1114 | 11556000 |
| | TERMINAL-STRIP-AC-POWER-SUPPLY | AIR | 1346.66 | 1535.17 | 50 | .075 | 63 | 1114 | 11558000 |
| | TERMINAL-STRIP-DC-POWER-SUPPLY | AIR | 1457.99 | 1683.13 | 50 | .08478 | 63 | 1198 | 11560000 |
| | TERMINAL-STRIP-DC-POWER-SUPPLY | AIR | 1653.33 | 1860.33 | 50 | .075 | 63 | 1114 | 11562000 |
| | FUEL-PUMP-WING | AIR | 1-51952 | 5.9105 | 1216 | .6581 | 66 | 1250 | 11564000A |
| | FUEL-PUMP-WING | AIR | 2-52831 | 9.83439 | 760 | .39552 | 65 | 1227 | 11566000 |
| | GEARBOX-42-DEGREE | HELI | 173.41 | 304.395 | 40 | .0346 | 66 | 1257 | 11568000 |
| | GEARBOX-42-DEGREE | HELI | 236.779 | 527.292 | 40 | .01267 | 66 | 1257 | 11570000 |
| | GEARBOX-42-DEGREE | HELI | 5555.55 | 7095.38 | 20 | .0054 | 66 | 1257 | 11572000 |
| | FUSELAGE-LOWER | HELI | .722022 | 2.80844 | 1600 | 1.385 | 66 | 1257 | 11574000 |
| | DC-POWER-SUPPLY | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 | 11576000A |
| | ELEVATOR-ASSEMBLY | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 | 11578000A |
| | AILERON-CONTROL-SYSTEM | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 | 11580000A |
| | DUST | AIR | .006 | | | | 63 | 1138 | 11582000 |
| | FUSELAGE | AIR | 171.851 | 197.632 | 597 | .31789 | 67 | 1272 | 11584000 |
| | CENTER-SECTION | AIR | | | | | | | |

AGMC AIR DEVELOPMENT CENTER, GR' FISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1966

| PART CLASS | 233 COVERS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 50 CONC LIMIT | PART POPULATION | PART HOURS | YR RPT SRCE REF NO | CROSS IF DATA INDEX |
|------------------|------------|-----------------------------------|-------------|--------------|---------------------|-----------------|------------|--------------------|---------------------|
| PART DESCRIPTION | | | | | | | | | |
| •40 N.O.C. | | | | | | | | | |
| GLASS | | | | | | | | | |
| GLASS-EXTERIOR | | LEADING-EDGE-LIGHT-EXTERIOR | AIR | 85.096 | 143.093 | 152 | .08226 | 66 | 1250 11586000 |
| JOINT-DUCT | | LEADING-EDGE-LIGHT | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 11588000 |
| JUNCTION-BOX | | BLEED-AIR-SYSTEM | AIR | 24.3131 | 96.5708 | 76 | .04113 | 66 | 1250 11590000 |
| PAC-CREW-BUNK | | FUSELAGE-CENTER | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 11592000 |
| PROTECTIVE | | FLIGHT-DECK | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 11594000 |
| PROTECTIVE | | CHAIN/SPROCKET-TAIL-ROTOR | LAB | .028 | | | | 63 | 1138 11596000 |
| RELAY | | POWER-SUPPLY | HELI | 173.41 | 304.395 | 40 | .0346 | 66 | 257 11598000 |
| SUPP-JAR | | DC-POWER-SUPPLY | AIR | 24.3131 | 94.5708 | 76 | .04113 | 66 | 1750 11600000 |
| TERMINAL-STRIP | | AUTO-PILOT-JUNCTION-BOX | AIR | 24.3131 | 94.5708 | 76 | .04113 | 66 | 1250 11602000 |
| TERMINAL-STRIP | | AUDIBLE-WARNING-SYSTEM | AIR | * | 2.54459 | 1432 | .9049 | 66 | 1250 11604000 |
| TERMINAL-STRIP | | INTERCOM-SYSTEM | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 11606000 |
| TERMINAL-STRIP | | POWER-SUPPLY | AIR | * | 2.33292 | 1824 | .527 | 66 | 1250 11608000 |
| WORK-DECK | | AUXILIARY-SYSTEM-RADIO-NAVIGATION | AIR | 48.6263 | 129.401 | 76 | .04113 | 66 | 1250 11610000 |
| | | | AIR | 48.6263 | 129.401 | 76 | .04113 | 66 | 1250 11612000 |
| | | | HELI | 561.347 | 943.937 | 40 | .01247 | 66 | 1257 11614000 |

FORE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA JANUARY, 1968

PART CLASS 234 COUNTERBALANCES
PART DESCRIPTION FUNCTIONAL APPLICATION

00C N.B.C.

DOOR, MECH. PERSONNEL-CARGO-COMP
DOOR, MECHANICAL-FWD-ENTRANCE

010 COUNTERWEIGHT

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | PART POPU- | PART HOURS | YR OF DATA | CROSS INDEX |
|----------------------------|--------------|---------------------|-------------|------------|------------|------------|---------------|
| AIR | * | 23.2868 | 192 | | .0988 | 65 | 1227 11616000 |
| AIR | * | 93.1472 | 48 | | .02472 | 65 | 1227 11616000 |
| AIR | * | 1.81435 | 500 | | 1.2691 | 65 | 1198 11620000 |
| AIR | * | 4.86491 | 912 | | .4936 | 66 | 1250 11622000 |
| AIR | * | 2.716 | 500 | | .84779 | 63 | 1198 11624000 |
| AIR | * | 18.1435 | 50 | | .12691 | 65 | 1198 11626000 |
| AIR | * | 27.9917 | 192 | | .08226 | 66 | 1250 11628000 |
| AIR | * | 13.9975 | 304 | | .1645 | 66 | 1250 11630000 |
| AIR | * | 55.5834 | 76 | | .04113 | 66 | 1250 11632000 |
| AIR | * | 1.97868 | 1000 | | 1.1637 | 65 | 1198 11634000 |
| AIR | * | 46.5736 | 96 | | .04944 | 65 | 1227 11636000 |
| AIR | * | 9.89344 | 200 | | .23274 | 65 | 1198 11638000 |
| AIR | * | 7.76227 | 576 | | .29664 | 65 | 1227 11640000 |
| AIR | * | 4.53598 | 200 | | .50763 | 65 | 1198 11642000 |
| AIR | * | 4.94672 | 400 | | .46548 | 65 | 1198 11644000 |
| AIR | 8.59328 | 33.4252 | 100 | | .11637 | 65 | 1198 11646000 |
| AIR | 32.4368 | 48.9447 | 200 | | .33912 | 63 | 1198 11648000 |
| AIR | 35.3857 | 78.8016 | 50 | | .08478 | 63 | 1198 11650000 |
| AIR | 36.7892 | 55.5122 | 200 | | .299 | 63 | 1114 11652000 |
| AIR | 40 | 89.0773 | 50 | | .075 | 63 | 1114 11654000 |
| AIR | 63.0367 | 102.393 | 50 | | .12651 | 65 | 1198 11656000 |
| AIR | 79.5454 | 133.76 | 102 | | .088 | 63 | 1114 11658000 |
| AIR | 271.29 | | 50 | | .08478 | 63 | 1198 11660000 |
| AIR | 306.666 | 406.044 | 50 | | .075 | 63 | 1114 11662000 |
| LAB | .34 | | | | | 63 | 1138 11664000 |
| DOOR, MECHANICAL-PARATROOP | 4.29664 | 16.7126 | 200 | | .23274 | 65 | 1198 11666000 |
| DOOR, MECHANICAL-PARATROOP | 56.8181 | 87.5377 | 204 | | .176 | 63 | 1114 11668000 |
| DOOR, MECHANICAL-PARATROOP | 90.6153 | 115.979 | 100 | | .25382 | 65 | 1198 11670000 |
| DOOR, MECHANICAL-PARATROOP | 100.671 | 142.902 | 100 | | .149 | 63 | 1114 11672000 |
| DOOR, MECHANICAL-PARATROOP | 106.157 | 146.003 | 100 | | .16956 | 63 | 1198 11674000 |
| SMALL | .013 | | | | | 63 | 1138 11676000 |

020 BALANCE-WEIGHT, GINBAL

AIR .53285 2.07262 1.8767 65 212 11678000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 235 COWLS AND COWLING | | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------|---|-------------|---------------------|-------------------|------------|------------------|------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | | | RPT SRCE | REF NO |
| -CO N.O.C. | | | | | | | |
| COWLING | ENGINE, NACELLE, TURBOPROP, POWER-PLANT | AIR | .358051 | 1.39271 | 2400 | 2.7929 | 65 1198 11680000 |
| | DUCT, AIR-INTAKE | AIR | .501379 | 1.95021 | 1716 | 1.9945 | 65 1201 11682000 |
| | ENGINE, NACELLE, TURBOPROP, POWER-PLANT | AIR | 2.62656 | 4.26843 | 1200 | 3.0458 | 65 1198 11684000 |
| | ENGINE, NACELLE, TURBOPROP, POWER-PLANT | AIR | 2.83419 | 4.97501 | 2448 | 2.117 | 63 1114 11686000 |
| | ENGINE, NACELLE, TURBOPROP, POWER-PLANT | AIR | 3.33518 | 5.85441 | 1400 | 1.799 | 63 1114 11688000 |
| | ENGINE, NACELLE, TURBOPROP, POWER-PLANT | AIR | 3.44031 | 5.78507 | 1200 | 2.0347 | 63 1198 11690000 |
| | DUCT, ANTI-ICING, BASIC-ENGINE | AIR | 3.894 | 10.3625 | 528 | .51361 | 65 1201 11692000 |
| | NOSE, ENGINE-NACELLE | AIR | 20.2265 | 53.8258 | 192 | .09888 | 65 1227 11694000 |
| | ENGINE, POWER-PLANT | AIR | 296.337 | 349.689 | 126 | .21597 | 65 1155 11696000 |
| | ENGINE | AIR | 296.296 | 332.761 | | .432 | 63 2109 11698000 |
| | ENGINE | AIR | 120P | | | | 65 2362 11700000 |
| | POWER-PLANT-GENERAL, 707-131B | AIR | 30P | | | | 66 2361 11702000 |
| | TRANSMISSION | HELI | 441.176 | 982.47 | 20 | .0068 | 66 1257 11704000 |
| | TRANSMISSION | HELI | 868.192 | 1310.03 | 40 | .01267 | 66 1257 11706000 |
| | TRANSMISSION | HELI | 1473.98 | 1775.4 | 40 | .0346 | 66 1257 11708000 |
| TRANSMISSION | HELI | 2777.77 | 3943.03 | 20 | .0054 | 66 1257 11710000 | |
| ENGINE | HELI | 173.41 | 304.395 | 40 | .0346 | 66 1257 11712000 | |
| ENGINE | HELI | 588.235 | 1175.52 | 20 | .0063 | 66 1257 11714000 | |
| ENGINE | HELI | 1111.11 | 1950.38 | 20 | .0054 | 66 1257 11716000 | |
| ENGINE-NACELLE | AIR | 12.158 | 32.3544 | 304 | .1645 | 66 1257 11718000 | |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

PART CLASS 237 CUSHIONS

PART DESCRIPTION

FUNCTIONAL APPLICATION

... N.O.C.

MECHANICAL PART FAILURE RATE DATA JANUARY 1968

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|-------------|--------------|---------------------|-----------------|------------|------------|-----------------|
| | | | | | | RPT SRCE REF NO |
| AIR | 91.2616 | 148.239 | 406 | .08766 | 64 | 1179 11720000 |
| AIR | 113.765 | 165.904 | 473 | .11427 | 65 | 1228 11720000 |
| AIR | 210.028 | 276.394 | 473 | .11427 | 65 | 1228 11724000 |
| AIR | 225.916 | 285.107 | 597 | .51789 | 67 | 1272 11724000 |
| AIR | 235.571 | 265.326 | 597 | .51789 | 67 | 1272 11720000 |
| AIR | 262.377 | 347.402 | 406 | .08766 | 64 | 1179 11730000 |

SEAT-INSTRUCTOR
SEAT-INSTRUCTOR
SEAT-STUDENT
SEAT-STUDENT
INSTRUCTOR-SEAT
SEAT-STUDENT

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

PART CLASS 241 CRYSTALS

PART DESCRIPTION FUNCTIONAL APPLICATION

-00 N.G.C.

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| ENVIRONMENT | FAILURE RATE | HIPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA RPT SINCE REF NO | GROSS INDEX |
|-------------|--------------|----------------------|-----------------|------------|-----------------------------|-------------|
| LAB | * | .67634 | | 3.4045 | 66 2521 | 117320000A |
| GRD | * | 4.35109 | | .5292 | 66 254 | 11735000A |
| LAB | * | 172.997 | | .01331 | 62 2240 | 11736000 |
| LAB | * | .350472 | | 6.57 | 62 2240 | 11738000 |
| | .2 | | | | 62 2240 | 11740000 |
| GRD | .26411 | 1.0273 | | 3.7863 | 66 2521 | 11742000A |
| SHP | 4.61538 | 10.2781 | | .65 | 62 2240 | 11744000 |
| GRD | 33 | | | 1.22 | 58 2001 | 11746000 |
| AIR | 37.5 | 59.1916 | | .24 | 63 2240 | 11748000 |
| AIR | 50 | | | .646 | 55 2001 | 11750000 |
| GEN | 180 | | | .16 | U 2001 | 11752000 |
| | 1.36 | | | | 61 2M1 | 11754000 |

FREQUENCY-DETERMINING-
QUARTZ

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NGNELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 242 CYLINDERS

PART DESCRIPTION FUNCTIONAL APPLICATION

N.O.C.

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX RPT SRCE REF NO |
|-------------|--------------|---------------------|-----------------|------------|------------|-----------------------------|
| AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 11756000A |
| AIR | * | 96.4541 | 62 | .02387 | 63 | 1111 11758000 |
| AIR | * | 32.1502 | 186 | .07162 | 63 | 1111 11760000 |
| AIR | * | 48.2219 | 124 | .04775 | 63 | 1111 11762000 |
| AIR | * | 96.4541 | 62 | .02387 | 63 | 1111 11764000 |
| LAB | .1007 | | | | 63 | 1138 11766000 |
| AIR GND | 2 | | | | 66 | 216 11768000 |
| AIR | 7.7 | | | | 57 | 211 11770000 |
| AIR | 9.26097 | 36.0224 | 63 | .10798 | 64 | 1155 11772000 |
| AIR | 11.06 | | .09937 | | 63 | 1123 11774000 |
| AIR GND | 12 | | | | 61 | 212 11776000 |
| AIR | 18.5219 | 49.2896 | 63 | .10798 | 64 | 1155 11780000 |
| AIR | 19.8997 | 30.0272 | | .55217 | 65 | 1196 11782000 |
| AIR | 20.9424 | 81.4598 | 124 | .04775 | 63 | 1111 11784000 |
| AIR | 21.0526 | 56.0242 | | .095 | 63 | 2121 11786000 |
| AIR | 21.0526 | 56.0242 | | .095 | 63 | 2124 11788000 |
| AIR | 21.1602 | 31.3552 | 150 | .5671 | 65 | 1196 11790000 |
| AIR | 27.7816 | 48.7664 | 126 | .21597 | 64 | 1155 11792000 |
| AIR | 27.7829 | 61.8707 | 63 | .10798 | 64 | 1155 11794000 |
| AIR | 29.7121 | 37.6441 | | 1.077 | 63 | 2116 11796000 |
| AIR | 34.0541 | | | .05873 | 65 | 1188 11798000 |
| AIR | 34.0541 | 90.6231 | | .05873 | 66 | 1241 11796000 |
| AIR | 37.037 | 74.0143 | | .108 | 63 | 2101 11800000 |
| AIR | 37.037 | 60.1606 | | .216 | 63 | 2101 11802000 |
| AIR SHP GRD | 37.6266 | 48.9672 | | .691 | 57 | 212 11804000 |
| AIR | 38.2311 | 85.1382 | | .07847 | 65 | 1188 11806000 |
| AIR | 42.1052 | 84.1426 | | .095 | 63 | 2124 11808000 |
| AIR | 50.933 | 67.8803 | 252 | .43194 | 64 | 1155 11810000 |
| AIR | 55.5555 | 82.3219 | | .216 | 63 | 2101 11812000 |
| AIR | 55.5555 | 97.5194 | | .108 | 63 | 2101 11814000 |
| AIR | 61.2813 | 72.1267 | | .1077 | 63 | 2116 11816000 |
| AIR | 63.1578 | 93.5871 | | .197 | 63 | 2121 11818000 |
| AIR | 76.1374 | 88.0858 | | 1.077 | 63 | 2115 11820000 |
| AIR | 81.3 | | | | 57 | 211 11822000 |
| AIR GND | 81.4 | | | | 61 | 212 11824000 |
| AIR | 87.1794 | 99.9865 | | 1.077 | 63 | 2115 11826000 |
| AIR | 90.9335 | 103.942 | | 1.077 | 63 | 2115 11828000 |
| AIR | 101.132 | 187.595 | 96 | .04944 | 65 | 1227 11830000 |
| AIR | 102.135 | 115.782 | | 1.077 | 63 | 2116 11832000 |
| AIR | 115.789 | 154.317 | | .190 | 63 | 2124 11834000 |
| AIR | 166.272 | 206.47 | 946 | .22854 | 65 | 1228 11836000 |
| AIR GND | 168 | | | | 66 | 216 11838000 |
| AIR | 217.622 | | 126 | .21597 | 64 | 1155 11840000 |
| AIR | 235.294 | 470.208 | 64 | .017 | 66 | 1225 11842000 |
| AIR | 239.864 | 473.942 | 64 | .01669 | 66 | 1225 11844000 |

NONEL ELECTRONIC PART FAILURE RATE DATA JANUARY : 1968

| UPPER | PART | YR | CROSS |
|-------|------|------|-------|
| 1 | 1 | 1950 | 1 |
| 2 | 2 | 1951 | 2 |
| 3 | 3 | 1952 | 3 |
| 4 | 4 | 1953 | 4 |
| 5 | 5 | 1954 | 5 |
| 6 | 6 | 1955 | 6 |
| 7 | 7 | 1956 | 7 |
| 8 | 8 | 1957 | 8 |
| 9 | 9 | 1958 | 9 |
| 10 | 10 | 1959 | 10 |
| 11 | 11 | 1960 | 11 |
| 12 | 12 | 1961 | 12 |
| 13 | 13 | 1962 | 13 |
| 14 | 14 | 1963 | 14 |
| 15 | 15 | 1964 | 15 |
| 16 | 16 | 1965 | 16 |
| 17 | 17 | 1966 | 17 |
| 18 | 18 | 1967 | 18 |
| 19 | 19 | 1968 | 19 |
| 20 | 20 | 1969 | 20 |
| 21 | 21 | 1970 | 21 |
| 22 | 22 | 1971 | 22 |
| 23 | 23 | 1972 | 23 |
| 24 | 24 | 1973 | 24 |
| 25 | 25 | 1974 | 25 |
| 26 | 26 | 1975 | 26 |
| 27 | 27 | 1976 | 27 |
| 28 | 28 | 1977 | 28 |
| 29 | 29 | 1978 | 29 |
| 30 | 30 | 1979 | 30 |
| 31 | 31 | 1980 | 31 |
| 32 | 32 | 1981 | 32 |
| 33 | 33 | 1982 | 33 |
| 34 | 34 | 1983 | 34 |
| 35 | 35 | 1984 | 35 |
| 36 | 36 | 1985 | 36 |
| 37 | 37 | 1986 | 37 |
| 38 | 38 | 1987 | 38 |
| 39 | 39 | 1988 | 39 |
| 40 | 40 | 1989 | 40 |
| 41 | 41 | 1990 | 41 |
| 42 | 42 | 1991 | 42 |
| 43 | 43 | 1992 | 43 |
| 44 | 44 | 1993 | 44 |
| 45 | 45 | 1994 | 45 |
| 46 | 46 | 1995 | 46 |
| 47 | 47 | 1996 | 47 |
| 48 | 48 | 1997 | 48 |
| 49 | 49 | 1998 | 49 |
| 50 | 50 | 1999 | 50 |
| 51 | 51 | 2000 | 51 |
| 52 | 52 | 2001 | 52 |
| 53 | 53 | 2002 | 53 |
| 54 | 54 | 2003 | 54 |
| 55 | 55 | 2004 | 55 |
| 56 | 56 | 2005 | 56 |
| 57 | 57 | 2006 | 57 |
| 58 | 58 | 2007 | 58 |
| 59 | 59 | 2008 | 59 |
| 60 | 60 | 2009 | 60 |
| 61 | 61 | 2010 | 61 |
| 62 | 62 | 2011 | 62 |
| 63 | 63 | 2012 | 63 |
| 64 | 64 | 2013 | 64 |
| 65 | 65 | 2014 | 65 |
| 66 | 66 | 2015 | 66 |
| 67 | 67 | 2016 | 67 |
| 68 | 68 | 2017 | 68 |
| 69 | 69 | 2018 | 69 |
| 70 | 70 | 2019 | 70 |
| 71 | 71 | 2020 | 71 |
| 72 | 72 | 2021 | 72 |
| 73 | 73 | 2022 | 73 |
| 74 | 74 | 2023 | 74 |
| 75 | 75 | 2024 | 75 |
| 76 | 76 | 2025 | 76 |
| 77 | 77 | 2026 | 77 |
| 78 | 78 | 2027 | 78 |
| 79 | 79 | 2028 | 79 |
| 80 | 80 | 2029 | 80 |
| 81 | 81 | 2030 | 81 |
| 82 | 82 | 2031 | 82 |
| 83 | 83 | 2032 | 83 |
| 84 | 84 | 2033 | 84 |
| 85 | 85 | 2034 | 85 |
| 86 | 86 | 2035 | 86 |
| 87 | 87 | 2036 | 87 |
| 88 | 88 | 2037 | 88 |
| 89 | 89 | 2038 | 89 |
| 90 | 90 | 2039 | 90 |
| 91 | 91 | 2040 | 91 |
| 92 | 92 | 2041 | 92 |
| 93 | 93 | 2042 | 93 |
| 94 | 94 | 2043 | 94 |
| 95 | 95 | 2044 | 95 |
| 96 | 96 | 2045 | 96 |
| 97 | 97 | 2046 | 97 |
| 98 | 98 | 2047 | 98 |
| 99 | 99 | 2048 | 99 |
| 100 | | | |

FUNCTIONAL APPLICATIONS

216

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 242 CYLINDERS

PART DESCRIPTION

FUNCTIONAL APPLICATION

FAILURE ENVIRONMENT

UPPER 90 CONF
LIMIT

PART POPU-
LATION

PART HOURS

YR OF DATA INDEX
RPT SRCE REF NO

.00 N.O.C.

| | | | | | | | |
|-----------|--------------------------------|-----|---------|---------|--------|---------|-----------|
| ACTUATING | FLAP-LEADING-EDGE-OUTBOARD | AIR | 90.6043 | 122.52 | .22074 | 66 1241 | 11936000 |
| ACTUATING | FLAP-LEADING-EDGE-INBOARD | AIR | 120.455 | 144.306 | .4483 | 66 1263 | 11938000 |
| ACTUATING | DOOR-HYDRAULIC-PRESSURE | AIR | 121.565 | 225.497 | .04113 | 66 1263 | 11940000A |
| ACTUATING | DOOR-HYDRAULIC-RAMP | AIR | 129.747 | 172.919 | .16956 | 63 1198 | 11942000 |
| ACTUATING | DOOR-HYDRAULIC-RAMP | AIR | 140.939 | 169.156 | .149 | 63 1114 | 11944000 |
| ACTUATING | SPEED-BRAKE-HYDRAULIC | AIR | 189.189 | 253.912 | .111 | 61 1080 | 11946000A |
| ACTUATING | NOSE-LEADING-EDGE-CENTER | AIR | 214.2 5 | 304.171 | .070 | 61 1080 | 11948000A |
| ACTUATING | FLAP-LEADING-EDGE-CENTER | AIR | 271.739 | 322.459 | .2208 | 66 1263 | 11950000 |
| ACTUATING | MAIN-LANDING-GEAR | AIR | 1285.71 | 1477.42 | .070 | 61 1080 | 11952000 |
| ACTUATING | DOOR | AIR | 161.812 | 323.363 | .02472 | 65 1227 | 11954000 |
| ACTUATING | FLAPPER-DOOR-MAIN-LANDING-GEAR | AIR | * | 46.5736 | .04944 | 65 1227 | 11956000 |
| ACTUATING | LAND-GEAR-NOSE | AIR | 11.3636 | 44.2011 | .048 | 63 1114 | 11958000 |
| ACTUATING | FLAPPER-DOOR-MAIN-LANDING-GEAR | AIR | 24.3121 | 94.5708 | .04113 | 66 1250 | 11960000A |
| ACTUATING | LAND-GEAR-NOSE | AIR | 39.3979 | 73.0809 | .12691 | 63 1198 | 11962000 |
| ACTUATING | LAND-GEAR-NOSE | AIR | 47.1809 | 94.2857 | .08478 | 63 1198 | 11964000 |
| ACTUATING | LAND-GEAR-NOSE | AIR | 53.3333 | 106.58 | .075 | 63 1114 | 11966000 |
| ACTUATING | LAND-GEAR-NOSE | AIR | 60.1529 | 101.15 | .11637 | 65 1179 | 11968000 |
| ACTUATING | LAND-GEAR-NOSE | AIR | 68.4462 | 101.423 | .17532 | 64 1179 | 11970000 |
| ACTUATING | SIDE-BRACE-MAIN-LANDING-GEAR | AIR | 82.07 | 94.6913 | .10357 | 67 1272 | 11972000 |
| ACTUATING | SIDE-BRACE-MAIN-LANDING-GEAR | AIR | 96.2632 | 128.293 | .22854 | 65 1228 | 11974000 |
| ACTUATING | SIDE-BRACE-MAIN-LANDING-GEAR | AIR | 96.9655 | 134.642 | .17532 | 64 1179 | 11976000 |
| ACTUATING | DOOR-MAIN-LANDING-GEAR | AIR | 98.2905 | 130.142 | .234 | 66 1263 | 11978000 |
| ACTUATING | CANOPY-AFT | AIR | 109.39 | 143.131 | .22854 | 65 1228 | 11980000 |
| ACTUATING | LAND-GEAR-MAIN | AIR | 112.001 | 126.54 | .10357 | 67 1272 | 11982000 |
| ACTUATING | LANDING-GEAR-MAIN | AIR | 125.484 | 189.346 | .08166 | 64 1179 | 11984000 |
| ACTUATING | DOOR-NOSE-LANDING-GEAR | AIR | 148.77 | 187.116 | .22854 | 65 1228 | 11986000 |
| ACTUATING | DOOR-MAIN-LANDING-GEAR | AIR | 154.064 | 199.402 | .17532 | 64 1179 | 11988000 |
| ACTUATING | LAND-GEAR-MAIN | AIR | 157.521 | 196.806 | .22854 | 65 1228 | 11990000 |
| ACTUATING | HORIZ-STABILIZER | AIR | 175.024 | 236.477 | .11427 | 65 1228 | 11992000 |
| ACTUATING | DOOR-NOSE-LANDING-GEAR | AIR | 214.331 | 242.928 | .51789 | 67 1272 | 11994000 |
| ACTUATING | DOOR-NOSE-LANDING-GEAR | AIR | 216.746 | 269.156 | .17532 | 64 1179 | 11996000 |
| ACTUATING | SPEED-BRAKE-SYSTEM | AIR | 262.624 | 284.23 | 1.0357 | 67 1272 | 11998000 |
| ACTUATING | HORIZONTAL-STABILIZER | AIR | 280.028 | 330.456 | .22854 | 65 1228 | 12000000 |
| ACTUATING | SPEED-BRAKE-SYSTEM | AIR | 306.292 | 383.928 | .11427 | 65 1228 | 12002000 |
| ACTUATING | LAND-GEAR-NOSE | AIR | 308.008 | 368.914 | .17532 | 64 1179 | 12004000 |
| ACTUATING | HORIZ-STABILIZER | AIR | 318.6 | 52.793 | .51789 | 67 1272 | 12006000 |
| ACTUATING | LANDING-GEAR-NOSE | AIR | 336.094 | 360.283 | 1.0357 | 67 1272 | 12008000 |
| ACTUATING | SPEED-BRAKE-SYSTEM | AIR | 415.682 | 475.851 | .22854 | 65 1228 | 12010000 |
| ACTUATING | RUDDER-SYSTEM | AIR | 479.123 | 523.22 | .17532 | 64 1179 | 12012000 |
| ACTUATING | RUDDER-SYSTEM | AIR | 536.152 | 650.966 | .08166 | 64 1179 | 12014000 |
| ACTUATING | LAND-GEAR-NOSE | AIR | 566.766 | 597.9 | 1.0357 | 67 1272 | 12016000 |
| ACTUATING | RUDDER-SYSTEM | AIR | * | 46.5736 | .04944 | 65 1227 | 12018000 |
| ACTUATING | LOCK-DOOR | AIR | | | | | |
| ACTUATING | PRESSURE | AIR | 11.6863 | 31.0991 | .17114 | 63 1123 | 12020000 |
| ACTUATING | HYDRAULIC-ENGINE | AIR | | | | | |

8951 A 771527

NON-ELECTRONIC PART FAILURE RATE DATA

FUNCTIONAL APPLICATION

W. B. E. C.

218

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

PART CLASS 242 CYLINDERS

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|----------------------------|------------------------------|-------------|--------------|---------------------|-----------------|------------|------------|-------------|
| HYDRAULIC. | LANDING-GEAR. 707-231B | AIR | 70P | | | | 66 2361 | 12108000 |
| HYDRAULIC. | LANDING-GEAR. 707-131B | AIR | 120P | | | | 66 2361 | 12110000 |
| HYDRAULIC. | LANDING-GEAR. 707-331 | AIR | 260P | | | | 65 2361 | 12112000 |
| HYDRAULIC. | LANDING-GEAR. 707-331 | AIR | 420P | | | | 66 2361 | 12114000 |
| HYDRAULIC. ACTUATING | LANDING-GEAR. 707-331B | AIR | 6.20378 | | | .16114 | 63 1123 | 12116000 |
| HYDRAULIC. ACTUATING | PROBE. JFR | AIR | 11.293 | | | .08955 | 63 1123 | 12118000 |
| HYDRAULIC. ACTUATING | SPEEDBRAKE | AIR | 186.981 | | | .08557 | 63 1123 | 12120000 |
| HYDRAULIC. DOUBLE-ACTING | FLAP. TAIL-EDGE | AIR | 363.595 | | 43.9265 | .4483 | 66 1263 | 12122000 |
| HYDRAULIC. POWER | WING-FOLD | AIR | 19.997 | | | .20003 | 66 1241 | 12124000 |
| HYDRAULIC. POWER | TAIL-ROTOR | HELI | 147.058 | | | .0068 | 66 1257 | 12126000 |
| HYDRAULIC. POWER | TAIL-ROTOR | HELI | 447.368 | | 20 | .038 | 66 1257 | 12128000 |
| HYDRAULIC. POWER | TAIL-ROTOR | HELI | 555.555 | | 120 | .0054 | 66 1257 | 12130000 |
| HYDRAULIC. POWER | BRAKE | HELI | 783.658 | | 848 | 1.077 | 64 1266 | 12132000A |
| HYDRAULIC. POWER | TAIL-ROTOR | HELI | 1676.5 | | 1995.17 | .6346 | 66 1257 | 12134000 |
| HYDRAULIC. ROTARY-OUTPUT | CONTROL-STICK | LAB | * | | 4.60520 | .50 | 62 1136 | 12136000 |
| HYDRAULIC. VISCOUS-DAMPING | | AIR | 203.843 | | | .06868 | 63 1123 | 12138000 |
| HYDRAULIC. MAIN-LANDING- | LANDING-GEAR. 707-331B | AIR | 120P | | | .08557 | 63 1123 | 12140000 |
| HYDRAULIC. MAIN-LANDING- | LANDING-GEAR. 707-331B | AIR | 130P | | | | 66 2362 | 12142000 |
| HYDRAULIC. MAIN-LANDING- | LANDING-GEAR. 707-331 | AIR | 140P | | | | 66 2362 | 12144000 |
| HYDRAULIC. MAIN-LANDING- | LANDING-GEAR. 707-331 | AIR | 300P | | | | 66 2362 | 12146000 |
| HYDRAULIC. MAIN-LANDING- | LANDING-GEAR. 707-331 | AIR | 510P | | | | 66 2362 | 12150000 |
| HYDRAULIC. MAIN-LANDING- | LANDING-GEAR. 707-331B | AIR | 70P | | | | 66 2364 | 12152000 |
| GEAR-DOOR-ACTUATOR | LANDING-GEAR. 707-331B | AIR | 100P | | | | 66 2364 | 12154000 |
| GEAR-DOOR-ACTUATOR | LANDING-GEAR. 707-131 | AIR | 110P | | | | 66 2364 | 12156000 |
| GEAR-DOOR-ACTUATOR | LANDING-GEAR. 707-131 | AIR | 120P | | | | 66 2362 | 12158000 |
| GEAR-DOOR-ACTUATOR | LANDING-GEAR. 707-351 | AIR | 150P | | | | 66 2362 | 12160000 |
| GEAR-DOOR-ACTUATOR | LANDING-GEAR. 707-331 | AIR | 160P | | | | 66 2364 | 12162000 |
| GEAR-DOOR-ACTUATOR | LANDING-GEAR. 707-331B | AIR | 210P | | | | 65 2364 | 12164000 |
| GEAR-DOOR-ACTUATOR | LANDING-GEAR. 707-331 | AIR | 460P | | | | 65 2364 | 12166000 |
| GEAR-DOOR-ACTUATOR | LANDING-GEAR. 707-331 | AIR | 500P | | | | 66 2364 | 12168000 |
| GEAR-DOOR-ACTUATOR | LANDING-GEAR. 331C/331C | AIR | 500P | | | | 66 2360 | 12170000 |
| GEAR-DOOR-ACTUATOR | FLIGHT-CONTROLS. 707-131B | AIR | 130P | | | | 66 2364 | 12172000 |
| GEAR-DOOR-ACTUATOR | FLIGHT-CONTROLS. 707-131B | AIR | 263.157 | | | .190 | 63 2124 | 12174000 |
| GEAR-DOOR-ACTUATOR | MAIN-LANDING-GEAR. CENTERING | AIR | 130P | | | | 65 2361 | 12176000 |

NO N.G.C.

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

220

1 JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

| PART CLASS | 26C DAMPERS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POSITION | PART HOURS | YR RPT SRCE | CROSS DATA INDEX REF NO |
|-------------------------|-------------|-------------------------------|-------------|--------------|---------------------|---------------|------------|-------------|-------------------------|
| MODULATING-VORTEX POWER | | | GRD | * | 1.82833 | 150 | 1.2594 | 65 | 1216 12342000A |
| ROTARY | | DIRECTIONAL-FLIGHT-CONTROL | WELL | * | .451676 | | 5.0979 | 62 | 2223 12344000 |
| RUD-CONTROL-TAB | | FLIGHT-CONTROLS.707-1318 | AIR | 510 | 709.746 | 120 | .03 | 65 | 1215 12346000 |
| RUD-CONTROL-TAB | | FLIGHT-CONTROLS.707-3318 | AIR | 6CP | | | | 66 | 2361 12348000 |
| RUD-SNUBBER | | FLIGHT-CONTROLS.707-331 | AIR | 110P | | | | 66 | 2361 12350000 |
| RUDER-CONTROL-TAB | | FLIGHT-CONTROLS.707-1318 | AIR | 140P | | | | 66 | 2361 12352000 |
| RUDER-CONTROL-TAB | | FLIGHT-CONTROLS.707-1318 | AIR | 70P | | | | 65 | 2364 12354000 |
| RUDER-CONTROL-TAB | | FLIGHT-CONTROLS.707-1318 | AIR | 70P | | | | 66 | 2364 12356000 |
| RUDER-CONTROL-TAB | | FLIGHT-CONTROLS.707-131 | AIR | 110P | | | | 66 | 2362 12358000 |
| RUDER-CONTROL-TAB | | FLIGHT-CONTROLS.707-131 | AIR | 11CP | | | | 66 | 2364 12360000 |
| RUDER-CONTROL-TAB | | FLIGHT-CONTROLS.707-131 | AIR | 11CP | | | | 66 | 2364 12362000 |
| RUDER-CONTROL-TAB | | FLIGHT-CONTROLS.707-131 | AIR | 15CP | | | | 66 | 2362 12364000 |
| RUDER-CONTROL-TAB | | FLIGHT-CONTROLS.707-131 | AIR | 150P | | | | 65 | 2362 12366000 |
| RUDER-CONTROL-TAB | | FLIGHT-CONTROLS.707-131 | AIR | 160P | | | | 66 | 2364 12368000 |
| RUDER-CONTROL-TAB | | FLIGHT-CONTROLS.707-131 | AIR | 340P | | | | 66 | 2364 12370000 |
| RUDER-SNUBBER | | FLIGHT-CONTROLS.707-1318 | AIR | 130P | | | | 66 | 2364 12372000 |
| RUDER-SNUBBER | | FLIGHT-CONTROLS.707-1318 | AIR | 130P | | | | 66 | 2364 12374000 |
| RUDER-SNUBBER | | FLIGHT-CONTROLS.707-1318 | AIR | 240P | | | | 66 | 2362 12376000 |
| STEERING | | FLIGHT-CONTROLS.707-3318 | AIR | 280P | | | .095 | 66 | 2362 12378000 |
| SURGE | | | AIR | 3473.68 | 3731.70 | | | 63 | 2124 12380000 |
| SURGE | | | AIR | 33.65 | | | | 57 | 211 12382000 |
| SURGE-HYDRAULIC | | VERTICAL-CYLINDER-ARREST-HOOK | AIR | 245.879 | 318.361 | | .10981 | 66 | 1241 12384000 |
| SURGE-HYDRAULIC | | FLIGHT-CONTROLS.707-1318 | AIR | * | 13.5798 | 100 | .16956 | 63 | 1198 12386000 |
| SURGE-HYDRAULIC | | WING-FLAP-SYSTEM | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 12388000 |
| SURGE-HYDRAULIC | | WING-FLAP-SYSTEM | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 12390000 |
| VISCOS | | RUDDER | AIR | 146.513 | 213.588 | | .17416 | 65 | 1198 12392000 |
| VISCOS | | CANOPY | AIR | 170.648 | 210.708 | | .2344 | 66 | 1263 12394000 |
| VISCOS | | RUDDER | AIR | 246.025 | 274.123 | | .5975 | 66 | 1263 12396000 |
| VISCOS | | | AIR | 436.005 | 554.568 | 126 | .0711 | 64 | 1144 12398000 |
| VISCOS-HYDRAULIC | | ELEVATOR-ASSEMBLY | AIR | * | 9.07178 | 100 | .25382 | 65 | 1198 12400000 |
| VISCOS-HYDRAULIC | | ELEVATOR-ASSEMBLY | AIR | * | 13.5798 | 100 | .16956 | 63 | 1198 12402000 |
| VISCOS-HYDRAULIC | | RUDDER-ASSEMBLY | AIR | * | 9.07178 | 200 | .25382 | 65 | 1198 12404000 |
| VISCOS-HYDRAULIC | | ELEVATOR-ASSEMBLY | AIR | * | 9.89344 | 200 | .23274 | 65 | 1198 12406000 |
| VISCOS-BRISTLE-VALVE | | AILERON-SYSTEM | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 12408000 |
| VORTEX | | | AIR | * | .685094 | | 3.361 | 62 | 2223 12410000 |
| VORTEX-MANUAL-CONTROL | | | | .129487 | .503664 | | 7.7228 | 61 | 2223 12412000 |
| VORTEX-MOD-CONTROL | | | | .158818 | .528291 | | 7.3628 | 61 | 2223 12414000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

| PART CLASS | 245 OPERATIONS | FUNCTIONAL APPLICATION | NONELECTRONIC PART FAILURE RATE DATA | | | | | JANUARY 1968 | |
|------------|----------------|---------------------------------|--------------------------------------|--------------|---------------------|------------------|------------|---------------------|--------------------|
| | | | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART PGMU-LATION | PART HOURS | YR OF DATA RPT SRCE | CROSS INDEX REF NO |
| M.B.C. | | LIAISON-RADIO-ARC-58 | AIR | * | 192.847 | 31 | .01154 | 63 | 1111 12416000 |
| | | RADAR-PRESSURE-SYSTEM | AIR | * | 46.3393 | 76 | .04969 | 63 | 1123 12418000A |
| | | RADAR-PRESSURIZATION-AN/ASQ-70 | AIR | 48.6263 | 129.401 | 63 | .04113 | 66 | 1250 12420000A |
| | | AN/APS-82-RADAR-SET | AIR | 68.4306 | 152.39 | 48 | .04384 | 64 | 1155 12422000 |
| | | RADAR-PRESSURIZATION-AN/ASQ-70 | AIR | 161.812 | 323.363 | 50 | .02472 | 65 | 1227 12424000 |
| | | RADAR-PRESSURE-SYSTEM-HD-186 | AIR | 244.267 | 310.691 | 102 | .12691 | 65 | 1198 12426000 |
| | | RADAR-PRESSURE-SYSTEM-HD-186 | AIR | 363.636 | 460.713 | 50 | .088 | 63 | 1114 12428000 |
| | | RADAR-PRESSURE-SYSTEM-HD-186/63 | AIR | 566.171 | 685.981 | 50 | .06478 | 63 | 1198 12430000 |
| | | RADAR-PRESSURE-SYSTEM-HD-186 | AIR | 592.936 | 695.312 | 100 | .11637 | 65 | 1198 12432000 |
| | | RADAR-PRESSURE-SYSTEM-HD-186/63 | AIR | 640 | 775.433 | 50 | .075 | 63 | 1114 12434000 |

JOINT AIR DEVELOPMENT CENTER, OFFICE AFU, N.Y.
SECTION 1 FAILURE RATE DATA

| PART CLASS | 272 DIAGRAMS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 95% C/W LIMIT | PART POPULATION | PART HOURS | YR CF DATA | CROSS INDEX REF NO |
|------------|--------------|------------------------------------|------------------------|-------------|--------------|---------------------------|--------------------|---------------|---------------|--------------------------|
| | | | | | | | | | | |
| PRESSURE | N.O.C. | FUEL-SYSTEM-GTC-APU | AIR | * | * | 93.1472 | 48 | .02472 | 65 | 1227 12436000 |
| | | FUEL-COLLECTOR-TRANSDUCER | LAD | * | * | 37565 | 1 | .00004 | 65 | 1178 12438000A |
| | | FUEL-SYSTEM-GAS-TURBINE-COMPRESSOR | AIR | * | * | 35.9834 | 76 | .04113 | 66 | 1250 12440000A |
| | | AUXILIARY-POWER-UNIT | | | | | | | | |
| | | MM-PRESS-PKFD-FUSELAGE-FWD-BLM-WL2 | AIR | * | * | 27.1597 | 50 | .08478 | 63 | 1198 12447000 |
| | | MM-PRESS-PKFD-FUSELAGE-FWD-BLM-WL2 | AIR | * | * | 15.7868 | 100 | .11637 | 65 | 1198 12444000 |
| | | MM-PRESS-PKFD-FUSELAGE-FWD-BLM-WL2 | LAB | of | | | | | | |
| | | MM-PRESS-PKFD-FUSELAGE-FWD-BLM-WL2 | AIR | 7.8796 | | 3.6492 | 50 | .12691 | 65 | 1198 12448000 |
| | | MM-PRESS-PKFD-FUSELAGE-FWD-BLM-WL2 | AIR | 11.3636 | | 4.2011 | 102 | .089 | 52 | 1114 12450000 |
| | | FUEL-SYSTEM-GTC-AUX-POWER-PLANT | AIR | 133.333 | | 354.82 | 68 | .015 | 63 | 1114 12452000 |
| | | FUEL-SYSTEM-GTC-AUX-POWER-PLANT | AIR | 189.052 | | 251.957 | 100 | .11637 | 65 | 1198 12454000 |
| | | FUEL-SYSTEM-GTC-AUX-POWER-PLANT | AIR | 373.333 | | 431.066 | 50 | .075 | 63 | 1114 12456000 |
| | | FUEL-SYSTEM-GTC-AUX-POWER-PLANT | AIR | 424.028 | | 530.526 | 50 | .08478 | 63 | 1198 12458000 |
| | | FUEL-SYSTEM-GTC-AUX-POWER-PLANT | AIR | 1418.32 | | 1563.63 | 50 | .12691 | 65 | 1198 12460000 |
| | | FUEL-SYSTEM-GTC-AUX-POWER-PLANT | AIR | 1636.36 | | 1825.34 | 102 | .086 | 63 | 1114 12462000 |
| PRESSURE | N.O.C. | FUSELAGE-FORWARD-NOSE | AIR | * | * | 35.9834 | 76 | .04113 | 66 | 1250 12464000 |
| | | FUSELAGE-FORWARD-NOSE | AIR | * | * | 93.1472 | 48 | .02472 | 65 | 1227 12466000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

PART CLASS 272 DIFFUSERS

PART DESCRIPTION

-DO N.O.C.

NONELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

FUNCTIONAL APPLICATION

BASIC-ENGINE
COMPRESSOR/MIDFRAME-BASIC-ENGINE
BASIC-ENGINE
EMPERNAGE-ANTI-ICE/DE-ICE-SYSTEM
POWER-SECTION
POWER-SECTION
COMPRESSOR/MIDFRAME-BASIC-ENGINE
WING-ANTI-ICE/DE-ICE-SYSTEMS
POWER-SECTION
COMPRESSOR/MIDFRAME-BASIC-ENGINE
COMPRESSOR/MIDFRAME-BASIC-ENGINE
POWER-SECTION
POWER-SECTION
ENGINE-PNEUMATIC-SYSTEM/DE-ICING

ENVIRONMENT RATE

AIR
AIR
AIR
AIR
AIR
AIR
AIR
AIR
AIR
AIR
AIR
AIR
AIR
AIR
AIR
AIR
AIR

UPPER 90 CONF
LIMIT

13.9975
4.94672
23.2868
6.89344
2.66848
7.57325
7.66247
16.7126
14.0378
17.8003
27.3493
43.6832
109.141
4.94672

PART
POPULATION

304
400
192
200
1716
528
200
200
400
200
200
448
260
400

YR
OF DATA
RPT SRCE REF NO

66 1250 12468000
65 1198 12470000
65 1227 12472000
65 1198 12474000
65 1201 12476000
65 1201 12478000
65 1198 12480000
65 1198 12482000
65 1201 12484000
63 1114 12486000
63 1198 12488000
65 1201 12490000
65 1201 12492000
65 1198 12494000

CROSS
INDEX

1.00275
1.947
1.96993
4.29664
5.27509
6.68896
14.744
28.3535
77.7793
*

PART
HOURS

1.045
4.5548
0.3888
2.3274
1.9945
5.1361
5.0763
2.3274
3.7914
2.99
3.3912
3.5219
2.0571
4.6518

PREHEAT

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 274 D1C5

PART DESCRIPTION

FUNCTIONAL APPLICATION

... N.O.C.

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA RPT | CROSS INDEX REF NO |
|-------------|--------------|---------------------|-----------------|------------|----------------|--------------------|
| AIR | * | 10.0752 | 946 | .22854 | 65 | 1228 12496000 |
| AIR | * | 4.53598 | 200 | .50763 | 65 | 1198 12498000 |
| AIR | * | 6.78992 | 200 | .33912 | 63 | 1198 12500000 |
| AIR | * | 4.94353 | 400 | .46578 | 65 | 1198 12502000 |
| AIR | 13.6892 | 53.247 | | .07305 | 66 | 1241 12504000 |

COMPRESSOR-TURBOJET-J-85
BRAKE-WHEEL-LANDING-GEAR
BRAKE-WHEEL-LANDING-GEAR
BRAKE-WHEEL-LANDING-GEAR
AIR-CONDITIONING-CABIN

ROME AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 276 DUMPS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------|-----------|---|-------------|--------------|---------------------|-----------------|------------|-----------------|-------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE REF NO | |
| 400 M.G.C. | | | | | | | | | |
| | | PROPELLER-ASSEMBLY | AIR | * | 4.94672 | 400 | .46548 | 65 1198 | 12522000 |
| | | PROPELLER-HYDROMATIC | AIR | 3.34448 | 13.009 | 200 | .299 | 63 1114 | 12524000 |
| | | PROPELLER-ASSEMBLY | AIR | 3.93987 | 10.4846 | 200 | .50763 | 65 1198 | 12526000 |
| | | DUMPS-ENGINE-COMPRESSOR-AND-ACCELEROMETER | AIR | 179.318 | 246.625 | | .10038 | 63 1223 | 12528000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 277 DOORS

PART DESCRIPTION

-00 N.O.C.

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER 90 CONF LIMIT

PART POPULATION

PART HOURS

YR OF DATA INDEX

CROSS RPT SRCE REF NO

| | | | | | | | |
|--|-----|---------|---------|--------|----|------|----------|
| GUN-VENT-AFT-FUSELAGE | AIR | * | 23.1719 | .09937 | 63 | 1123 | 12530000 |
| LIFE-RAFT-WHEEL-WELL-POD | AIR | * | 23.2868 | .09888 | 65 | 1227 | 12532000 |
| LANDING-GEAR-NOSE-FORWARD | AIR | * | 27.9917 | .08226 | 66 | 1250 | 12534000 |
| LANDING-GEAR-NOSE | AIR | 4.63027 | 18.0103 | .21597 | 64 | 1155 | 12536000 |
| FAIRING-SUPPORT | AIR | 6.67902 | 12.1482 | .656 | 66 | 1250 | 12538000 |
| THrust-REVERSER-SYSTEM | | | | | | | |
| INFLIGHT-REFUEL-SYSTEM | AIR | 7.1511 | 14.1923 | .6535 | 56 | 1241 | 12540000 |
| LANDING-GEAR-NOSE-AFT | AIR | 7.6792 | 30.6492 | .12691 | 65 | 1198 | 12542000 |
| ANNULUS-FUSELAGE-REMOVABLE-AFT | AIR | 8.7512 | 23.2882 | .22854 | 65 | 1228 | 12544000 |
| LANDING-GEAR-NOSE-AFT | AIR | 11.3636 | 44.2011 | .088 | 63 | 1114 | 12546000 |
| STRUT-LANDING-GEAR-NOSE | AIR | 11.4077 | 44.3725 | .08766 | 64 | 1179 | 12548000 |
| ANNULUS-FUSELAGE-REMOVABLE-AFT | AIR | 11.4077 | 30.3576 | .17532 | 64 | 1179 | 12550000 |
| LANDING-GEAR-NOSE-AFT | AIR | 11.7952 | 45.8799 | .08478 | 63 | 1198 | 12552000 |
| LANDING-GEAR-MAIN-OUTBOARD | AIR | 12.1565 | 47.2854 | .08226 | 66 | 1250 | 12554000 |
| LANDING-GEAR-MAIN-INBOARD | AIR | 12.1565 | 47.2854 | .08226 | 66 | 1250 | 12556000 |
| LIFE-RAFT-WHEEL-WELL-POD | AIR | 12.159 | 32.3544 | .1645 | 66 | 1250 | 12558000 |
| FAIRING-SUPPORT-THRUST-REVERSER-AFT | AIR | 12.6415 | 23.4493 | .39552 | 65 | 1227 | 12560000 |
| SPEED-BRAKE-ASSEMBLY-FLIGHT-CONTROL | AIR | 13.1268 | 29.2325 | .22854 | 65 | 1228 | 12562000 |
| LANDING-GEAR-NOSE-AFT | AIR | 13.3333 | 51.8628 | .075 | 63 | 1114 | 12564000 |
| LANDING-GEAR-NOSE-FORWARD | AIR | 15.7591 | 41.9375 | .12691 | 65 | 1198 | 12566000 |
| SPEED-BRAKE-ASSEMBLY-FLIGHT-CONTROL | AIR | 22.7272 | 60.4806 | .189 | 63 | 1114 | 12568000 |
| LANDING-GEAR-NOSE-FORWARD | AIR | 22.7272 | 45.594 | .17532 | 64 | 1179 | 12570000 |
| SPEED-BRAKE-ASSEMBLY-FLIGHT-CONTROL | AIR | 23.5904 | 62.7777 | .08478 | 63 | 1198 | 12572000 |
| LANDING-GEAR-NOSE-FORWARD | AIR | 26.6666 | 70.964 | .075 | 63 | 1114 | 12574000 |
| LANDING-GEAR-NOSE | AIR | 29.2158 | 54.1936 | .17114 | 63 | 1123 | 12576000 |
| LANDING-GEAR-MAIN | AIR | 30.0967 | 43.8702 | .43194 | 64 | 1155 | 12578000 |
| LANDING-GEAR-MAIN-ACTUATING-CYL-EXT | AIR | 30.1501 | 67.2315 | .09937 | 63 | 1123 | 12580000 |
| LANDING-GEAR-NOSE-FORWARD-FLIPPER | AIR | 35.059 | 78.074 | .08557 | 63 | 1123 | 12582000 |
| LANDING-GEAR-NOSE-FORWARD | AIR | 40.453 | 107.651 | .04944 | 65 | 1227 | 12584000 |
| SUCK-IN-FUSELAGE-AFT-CENTER-SECTION | AIR | 48.4827 | 67.3278 | .35064 | 64 | 1179 | 12586000 |
| LANDING-GEAR-NOSE-AFT | AIR | 48.6263 | 129.401 | .04113 | 66 | 1250 | 12588000 |
| STRUT-LANDING-GEAR-NOSE | AIR | 52.5072 | 92.1683 | .11427 | 65 | 1228 | 12590000 |
| SPEED-BRAKE-ASSEMBLY-FLIGHT-CONTROL | AIR | 56.9613 | 67.6956 | 1.0357 | 67 | 1272 | 12592000 |
| FORWARD-CARGO/RESERVOIR-HYDRAULIC-POWER-SUPPLY | AIR | 50.1529 | 101.15 | .11637 | 65 | 1198 | 12594000 |
| STRUT-LANDING-GEAR-NOSE | AIR | 61.7891 | 78.2844 | .31789 | 67 | 1272 | 12596000 |
| LANDING-GEAR-NOSE-FORWARD | AIR | 66.7462 | 111.667 | .11637 | 65 | 1198 | 12598000 |
| LANDING-GEAR | AIR | 72.6842 | 105.936 | .190 | 63 | 1127 | 12600000 |
| LANDING-GEAR-NOSE-AFT | AIR | 77.3391 | 177.076 | .11637 | 65 | 1198 | 12602000 |
| LANDING-GEAR-NOSE-AFT | AIR | 81.9061 | 215.303 | .02472 | 65 | 1227 | 12604000 |
| LIFE-RAFT | AIR | 81.752 | 325.77 | .01194 | 63 | 1111 | 12606000 |
| WALKWAY | AIR | 81.752 | 325.77 | .01194 | 63 | 1111 | 12608000 |
| LANDING-GEAR-NOSE | AIR | 122.516 | 176.144 | .11427 | 65 | 1278 | 12610000 |
| LANDING-GEAR-MAIN | AIR | 135.643 | 172.529 | .22854 | 65 | 1228 | 12612000 |
| LANDING-GEAR-MAIN | AIR | 142.596 | 186.579 | .17532 | 64 | 1179 | 12614000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 277 DGBRS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------|-----------|--|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| ACCESS | | LANDING-GEAR-NOSE | AIR | 193.931 | 263.291 | 406 | .08760 | 64 | 1179 12616000 |
| ACCESS | | NOSE | HELI | 216.666 | 315.905 | 240 | .06 | 65 | 1215 12618000 |
| ACCESS | | LANDING-GEAR-MAIN | AIR | 224.103 | 244.05 | 1194 | .10357 | 67 | 1272 12620000 |
| ACCESS | | WINGFOLD-FLIGHT-CONTROL-SYSTEM | AIR | 231.513 | 279.388 | 126 | .21597 | 64 | 1155 12622000 |
| ACCESS | | SUCK-IN-FUSELAGE-AFT-CENTER-SECTION | AIR | 238.472 | 260.533 | 3784 | .51415 | 65 | 1228 12624000 |
| ACCESS | | LANDING-GEAR-NOSE | AIR | 371.359 | 447.192 | | .1398 | 66 | 1263 12626000 |
| ACCESS | | FORWARD-CARGO/RESERVOIR-HYDRAULIC-POWER-SUPPLY | AIR | 386. | 466.858 | 50 | .12891 | 65 | 1198 12628000 |
| ACCESS | | LANDING-GEAR-NOSE | AIR | 469.247 | 497.674 | 1194 | .10357 | 67 | 1272 12630000 |
| ACCESS | | NOSE | AIR | 503.968 | 546.342 | 597 | .51789 | 67 | 1272 12632000 |
| ACCESS | | DRAG-PARACHUTE | AIR | 670.016 | 1188.33 | 31 | .01194 | 63 | 1111 12634000 |
| ACCESS | | BOMB-SAY | AIR | 942.418 | 1149.27 | 124 | .04775 | 63 | 1111 12636000 |
| ACCESS | | WHEEL-WELL | AIR | 1465.56 | 1717.06 | 124 | .04775 | 63 | 1111 12638000 |
| ACCESS | | AIR-REFUELING-SLIPWAY | AIR | 2010.49 | 2426.42 | 62 | .02387 | 63 | 1111 12640000 |
| ACCESS | | CAMERA | AIR | 2428.31 | 3115.45 | 31 | .01194 | 63 | 1111 12642000 |
| ACCESS | | TIP-GEAR | AIR | 2890.35 | 3389.75 | 62 | .02387 | 63 | 1111 12644000 |
| ACCESS | | ENTRY-FORWARD | AIR | 3182.37 | 3951.98 | 31 | .01194 | 63 | 1111 12646000 |
| ACCESS | | CENTER-WING-DRYBAY | AIR | * | 9.67178 | 100 | .25382 | 65 | 1198 12648000 |
| ACCESS | | RUDDER-ASSEMBLY | AIR | * | 13.5798 | 100 | .16957 | 63 | 1198 12650000 |
| ACCESS | | AUXILIARY-POWER-UNIT-GROUND-FIRE. | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 12652000 |
| ACCESS | | WHEEL-WELL-PD | AIR | * | 93.1472 | 46 | .02472 | 65 | 1227 12654000 |
| ACCESS | | OXYGEN-WHEEL-WELL-PD | AIR | * | 12.9975 | 304 | .1645 | 66 | 1250 12656000 |
| ACCESS | | FUEL-CELL-BOTTOM-WING | AIR | * | 96.1347 | 62 | .02387 | 63 | 1111 12658000 |
| ACCESS | | FUEL-TANK-WING-OUTBOARD | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 12660000 |
| ACCESS | | BOTTOM-CONSOLE-LORAN-AW/APN-70 | AIR | * | 5.02396 | 300 | .76145 | 65 | 1198 12662000 |
| ACCESS | | BOOST-PUMP-FUEL | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 12664000 |
| ACCESS | | AILERON-SYSTEM | AIR | * | 2.2679 | 400 | .10153 | 65 | 1198 12666000 |
| ACCESS | | UP-SURFACE-FUEL-CELL | AIR | * | 7.76227 | 576 | .29684 | 65 | 1227 12668000 |
| ACCESS | | RUDDER-FLIGHT-CONTROL | AIR | * | 20.1505 | 473 | .11427 | 65 | 1228 12670000 |
| ACCESS | | SPEED-BRAKE-ASSEMBLY | AIR | * | 8.21301 | 54 | .28036 | 65 | 1209 12672000 |
| ACCESS | | FUEL-TANK-WING-MAIN | AIR SHP GRD | * | 48.2219 | 124 | .04775 | 63 | 1111 12674000 |
| ACCESS | | AFT-WHEEL-WELL-PD | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 12676000 |
| ACCESS | | ENGINE-AFT-FUSELAGE | AIR | * | 67.4063 | | .03416 | 63 | 1123 12678000 |
| ACCESS | | TIE-BODY-HORIZONTAL-STABILIZER. | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 12680000 |
| ACCESS | | EMPENNAGE | AIR | * | 1.16646 | 3648 | .1974 | 66 | 1250 12682000 |
| ACCESS | | CONV-NOSE-ENGINE-MACELLE | AIR | * | 9.07178 | 50 | .25382 | 65 | 1198 12684000 |
| ACCESS | | RADIO-COMPARTMENT | AIR | * | 4.94572 | 400 | .46548 | 65 | 1198 12686000 |
| ACCESS | | FUEL-CELL-IN-DRYBAY | AIR | * | 192.847 | 31 | .01194 | 63 | 1111 12688000 |
| ACCESS | | FUEL-TANK-WING-CENTER | AIR | * | 13.3067 | 336 | .17304 | 65 | 1227 12690000 |
| ACCESS | | FUEL-CELL-TOP-WING | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 12692000 |
| ACCESS | | LIFE-Raft-WING | AIR | * | 192.847 | 31 | .01194 | 63 | 1111 12694000 |
| ACCESS | | FUEL-TANK-BODY-FORWARD | AIR | * | 7.76227 | 576 | .29684 | 65 | 1227 12696000 |
| ACCESS | | LATCH-THRUST-REVERSE-SYSTEM | AIR | * | 93.1472 | 46 | .02472 | 65 | 1227 12698000 |
| ACCESS | | OXYGEN-INSF-WHEEL-WELL-PD | AIR | * | | | | | |

ALL N.J.C.

JANUARY 1968

SECTION 1 FAILURE RATE DATA

PART CLASS 277 DOORS

| PART CLASS | PART DESCRIPTION |
|------------|------------------|
| 27 | |

FUNCTIONAL APPLICATION

-00 W-9-C.

| ACCESS | * * * | 6.04811 | 150 | .38072 | 65 | 1198 | 12700000 |
|--------------------------------------|-------|---------|------|---------|----|------|-----------|
| RUDDER-ASSEMBLY | AIR | 93.1472 | 48 | .02472 | 65 | 1227 | 12702000 |
| APU-GROUND-OPERATION-WHEEL-WELL-PGD | AIR | 3.39501 | 400 | .67823 | 63 | 1198 | 12704000 |
| ELEVATOR-ASSEMBLY | AIR | 93.1472 | 48 | .02472 | 65 | 1227 | 12706000 |
| TIE-BOX-HORIZ-STAB.EMPENNAGE | AIR | 46.5736 | 96 | .04944 | 65 | 1227 | 12708000 |
| LIFE-RAFT-WING | AIR | 1.9405 | 2304 | 1.1866 | 65 | 1227 | 12710000 |
| CONV.NOSE-ENGINE-NACELLE | AIR | 55.9834 | 76 | .04112 | 65 | 1250 | 12712000A |
| HF-ANT.FORWARD-BULLE | AIR | | | | | | |
| HORIZONTAL-STABILIZER-EMPENNAGE | | | | | | | |
| LINK-AND-CASE-COMPARTMENT-AFT | AIR | 23.1715 | | .09537 | 63 | 1123 | 12714000 |
| FUEL-TANK-WING-EXTERNAL | AIR | 96.4641 | 62 | .02387 | 63 | 1111 | 12716000 |
| STABILIZER-VERTICAL-EMPENNAGE | AIR | 2.94633 | 1444 | .7815 | 66 | 1250 | 12718000 |
| FUEL-CELL-IN-MID-BODY | AIR | 152.847 | 31 | .01154 | 63 | 1111 | 12720000 |
| LOWER-SURFACE-CENTER-WING-BOX-BEAM | AIR | 93.1472 | 48 | .02472 | 65 | 1227 | 12722000 |
| LOWER-SURFACE-CENTER-WING-BOX-BEAM | AIR | 55.9834 | 76 | .04112 | 66 | 1250 | 12724000A |
| HF-ANT.FWD-BULLE.HORIZ-STAB.EMPENN | AIR | 93.1472 | 48 | .02472 | 65 | 1227 | 12726000 |
| AMUNITION.TOP-9F-FUSELAGE | AIR | 33.7031 | | .06832 | 63 | 1123 | 12728000 |
| WING-CENTER | AIR | 1.97868 | 1000 | 1.1637 | 65 | 1198 | 12730000 |
| RADIO-COMPARTMENT-WING | AIR | 93.1472 | 48 | .02472 | 65 | 1227 | 12732000 |
| APU-GROUND-FIRE-WHEEL-WELL-PGD | AIR | 93.1472 | 48 | .02472 | 65 | 1227 | 12734000 |
| ALIRCA-SYSTEM | AIR | 4.53598 | 200 | .50763 | 65 | 1199 | 12736000 |
| ACCESSORY-ENGINE-NACELLE | AIR | 11.6434 | 384 | 1.19776 | 65 | 1227 | 12738000 |
| UP-SURFACE-FUEL-CELL | AIR | 2.47333 | 800 | .93097 | 65 | 1198 | 12740000 |
| RIP-WEB-CENTER-DAY-BAY | AIR | 9.89344 | 200 | .23274 | 65 | 1198 | 12742000 |
| SPEED-BRAKE-ASSEMBLY | AIR | 26.2673 | 406 | .08766 | 64 | 1179 | 12744000 |
| RADIO-COMPARTMENT-WING | AIR | 55.9834 | 76 | .04112 | 66 | 1250 | 12746000A |
| STABILIZER-VERTICAL-EMPENNAGE | AIR | 4.90248 | 512 | .46968 | 65 | 1227 | 12748000 |
| ENGINE-BIL.FUSELAGE | AIR | 46.3393 | | .04969 | 63 | 1123 | 12750000 |
| LANDING-LIGHT-WING | AIR | 46.5736 | 96 | .04944 | 65 | 1227 | 12752000 |
| LANDING-LIGHT-WING | SUB | 7.19787 | 54 | .3199 | 65 | 1249 | 12754000 |
| OXYGEN-WHEEL-WELL-PGD | AIR | 27.9917 | 152 | .08226 | 66 | 1250 | 12756000 |
| FUEL-CELL-BOTTOM-WING | AIR | 55.9834 | 76 | .04112 | 66 | 1250 | 12758000 |
| EXTERNAL-ELECTRIC-POWER-RECEPTACLE | AIR | 23.2868 | 152 | .09888 | 65 | 1227 | 12760000 |
| FUEL-CELL-TOP-WING | AIR | 46.3393 | | .04969 | 63 | 1123 | 12762000 |
| LEADING-EDGE-WING | AIR | 7.99791 | 532 | .2879 | 66 | 1250 | 12764000 |
| NACELLE-AFT-LOWER | AIR | 3.42071 | 2208 | 1.1371 | 65 | 1227 | 12766000 |
| NACELLE-AFT-LOWER | AIR | 3.83108 | 400 | 1.0153 | 65 | 1198 | 12768000 |
| ENGINE-NACELLE-TURBOPROP-POWER-PLANT | AIR | 1.07414 | 800 | .53097 | 65 | 1198 | 12770000 |
| ENGINE-NACELLE-TURBOPROP-POWER-PLANT | AIR | 1.37895 | 2050 | 5.0763 | 65 | 1198 | 12772000 |
| ELEVATOR-ASSEMBLY | AIR | 2.62813 | 4030 | 3.529 | 63 | 1114 | 12774000 |
| ENGINE-NACELLE-TURBOPROP-POWER-PLANT | AIR | 1.68852 | 701 | 1.7767 | 61 | 1198 | 12776000 |
| FUEL-CELL-IN-DAYBAY | AIR | 1.81779 | 5200 | 6.0513 | 65 | 1198 | 12778000 |
| ELEVATOR-CONTROL-SYSTEM | AIR | 1.96993 | 200 | .50763 | 65 | 1198 | 12780000 |
| LATCH-THRUST-REVERSER-SYSTEM | AIR | 2.02593 | 912 | .4936 | 66 | 1250 | 12782000 |
| ELEVATOR-ASSEMBLY | AIR | 7.88186 | 912 | .4935 | 65 | 1250 | 12784000 |
| ELEVATOR-ASSEMBLY | AIR | 4.65361 | 1423 | 1.435 | 63 | 1114 | 12786000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 277 DCHMS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS REF NO |
|------------------|-----------|--|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | | |
| ACCESS | | LEADING-EDGE-WING | AIR | 2.6427 | 4.90206 | 3496 | 1.892 | 66 | 1250 12780000 |
| ACCESS | | FUEL-CELL-IN-DRY-BAY | AIR | 2.83286 | 11.0189 | 408 | .353 | 63 | 1114 12790000 |
| ACCESS | | HUDDLE-ASSEMBLY | AIR | 2.86442 | 11.1417 | 300 | .34911 | 65 | 1198 12752000 |
| ACCESS | | WING-ROOT-FAIRING-WING | AIR | 2.91745 | 3.49693 | 1900 | 1.0283 | 66 | 1250 12794000 |
| ACCESS | | FUEL-CELL-IN-DRY-BAY | AIR | 2.9488 | 11.4599 | 200 | .33912 | 63 | 1198 12796000 |
| ACCESS | | TRAILING-EDGE-WING | AIR | 3.03951 | 6.07412 | 2432 | 1.316 | 66 | 1250 12798000 |
| ACCESS | | FUEL-CELL-IN-DRY-BAY | AIR | 3.34448 | 13.009 | 200 | .294 | 63 | 1114 12800000 |
| ACCESS | | ELEVATOR-CONTROL-SYSTEM | AIR | 3.37109 | 13.1125 | 575 | .29664 | 65 | 1227 12802000 |
| ACCESS | | AILERON-CONTROL-SYSTEM | AIR | 3.47342 | 9.24331 | 1064 | .5758 | 66 | 1250 12804000 |
| ACCESS | | TRAILING-EDGE-WING | AIR | 3.79247 | 8.44555 | 1536 | .79104 | 65 | 1227 12806000 |
| ACCESS | | BOOST-PUMP-FUEL | AIR | 3.93182 | 10.4631 | 300 | .50867 | 63 | 1198 12808000 |
| ACCESS | | HUDDLE-FLIGHT-CONTROL | AIR | 4.15186 | 10.7826 | 912 | .4936 | 66 | 1250 12810000 |
| ACCESS | | CLUTTER-WING-DRY-BAY | AIR | 4.29664 | 16.7126 | 200 | .23274 | 65 | 1198 12812000 |
| ACCESS | | BOOST-PUMP | AIR | 4.44444 | 11.8273 | 300 | .45 | 53 | 1114 12814000 |
| ACCESS | | FIRE-ENGINE-NACELLE | AIR | 5.15663 | 19.6687 | 384 | .19776 | 65 | 1227 12816000 |
| ACCESS | | ENGINE-NACELLE-TURBOPROP-POWER-PLANT | AIR | 5.47645 | 7.98633 | 1400 | 2.3738 | 63 | 1198 12818000 |
| ACCESS | | AILERON-CONTROL-SYSTEM | AIR | 5.77501 | 15.3788 | 672 | .34608 | 65 | 1227 12820000 |
| ACCESS | | AILERON-SYSTEM | AIR | 5.19761 | 22.9399 | 100 | .16956 | 63 | 1198 12822000 |
| ACCESS | | CONV-FORWARD-ENGINE-NACELLE | AIR | 6.17502 | 16.1772 | 608 | .329 | 66 | 1250 12824000 |
| ACCESS | | ENGINE-NACELLE-TURBOPROP-POWER-PLANT | AIR | 6.19637 | 9.0362 | 1400 | 2.098 | 63 | 1114 12826000 |
| ACCESS | | LIFE-Raft | AIR | 6.14496 | 14.3524 | 400 | .46548 | 65 | 1198 12828000 |
| ACCESS | | BOOST-PUMP-FUEL | AIR | 6.14496 | 14.3524 | 400 | .46548 | 65 | 1198 12830000 |
| ACCESS | | AILERON-SYSTEM | AIR | 6.7114 | 26.1053 | 100 | .149 | 63 | 1114 12832000 |
| ACCESS | | ELEVATOR-ASSEMBLY | AIR | 7.16096 | 13.2831 | 600 | .55823 | 65 | 1198 12834000 |
| ACCESS | | CLUTTER-WING-DRY-BAY | AIR | 7.8796 | 20.5687 | 100 | .25382 | 65 | 1198 12836000 |
| ACCESS | | WING-ROOT-FAIRING-WING | AIR | 8.09061 | 15.0076 | 1200 | .618 | 65 | 1227 12838000 |
| ACCESS | | ESCAPE-SYSTEM | AIR | 9.26097 | 36.6224 | 63 | .10798 | 65 | 1255 12840000 |
| ACCESS | | SPED-BRAKE-ASSEMBLY | AIR | 9.61456 | 17.9086 | 557 | .51789 | 67 | 1272 12842000 |
| ACCESS | | CLUTTER-WING-DRY-BAY | AIR | 11.3636 | 30.2403 | 204 | .176 | 63 | 1114 12844000 |
| ACCESS | | UP-SURFACE-FUEL-CELL | AIR | 11.3861 | 19.6509 | 400 | .599 | 63 | 1117 12846000 |
| ACCESS | | OUTER-WING-DRY-BAY | AIR | 11.7952 | 31.3988 | 100 | .16956 | 63 | 1198 12848000 |
| ACCESS | | RADIO-COMPARTMENT | AIR | 11.7952 | 45.8799 | 50 | .08478 | 63 | 1198 12850000 |
| ACCESS | | STABILIZER-VERTICAL-FUSELAGE | AIR | 13.1268 | 29.2325 | 946 | .22854 | 65 | 1228 12852000 |
| ACCESS | | UP-SURFACE-FUEL-CELL | AIR | 13.2698 | 20.9456 | 400 | .67823 | 63 | 1198 12854000 |
| ACCESS | | RADIO-COMPARTMENT | AIR | 13.3333 | 51.8626 | 50 | .075 | 62 | 1114 12856000 |
| ACCESS | | OUTER-WING-DRY-BAY | AIR | 13.4428 | 35.7201 | 100 | .149 | 63 | 1114 12858000 |
| ACCESS | | CONV-FORWARD-ENGINE-NACELLE | AIR | 15.1099 | 33.7823 | 384 | .19776 | 63 | 1227 12860000 |
| ACCESS | | THROUST-REVERSER-SYSTEM | AIR | 15.1975 | 28.1405 | 608 | .329 | 66 | 1250 12862000 |
| ACCESS | | CENTER-WING-DRY-BAY | AIR | 17.6928 | 39.4008 | 100 | .16956 | 63 | 1198 12864000 |
| ACCESS | | CENTER-WING-DRY-BAY | AIR | 20.1342 | 44.8375 | 100 | .149 | 63 | 1114 12866000 |
| ACCESS | | RUDDER-ASSEMBLY | AIR | 21.7391 | 84.5586 | 204 | .046 | 63 | 1114 12868000 |
| ACCESS | | STABILIZER-VERTICAL-FUSELAGE | AIR | 22.8154 | 45.594 | 812 | .17532 | 64 | 1273 12870000 |
| ACCESS | | AUXILIARY-POWER-UNIT-GROUND-OPERATION-WHEEL-WELL-P80 | AIR | 24.3131 | 94.5708 | 76 | .04113 | 66 | 1250 12872000 |
| ACCESS | | OXYGEN-INSPECTION-WHEEL-WELL-P80 | AIR | 24.3131 | 94.5708 | 76 | .04113 | 66 | 1250 12874000 |

U.O N.O.C.

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1958

| PART CLASS | 277 DOORS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|------------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

ROME AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 277 DOORS | | | | | | | | | | |
|----------------------|--|-------------|--------------|-------------|-------------------|------------|------------|-------------|-----------|--|--|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA | CROSS INDEX | | | |
| .00 N.O.C. | | | | | | | | | | | |
| ELECTRIC | ATO/SPOILER | AIR | 6.7114 | 26.1053 | 100 | .149 | 63 | 1114 | 12964000 | | |
| ELECTRIC | ATO/SPOILER | AIR | 7.8796 | 20.9687 | 100 | .25382 | 63 | 1198 | 12966000 | | |
| ELECTRIC | AIR-SPOILER-PARATROOP | AIR | 12.1565 | 47.2854 | 152 | .08226 | 66 | 1250 | 12968000 | | |
| ELECTRIC | AIR-SPOILER-PARACHUTE | AIR | 20.2265 | 78.6751 | 96 | .04944 | 65 | 1227 | 12970000 | | |
| ELECTRIC | LOUVER-INTAKE | AIR | 24.3131 | 94.5706 | 76 | .04113 | 66 | 1250 | 12972000A | | |
| ELECTRIC | LOUVER-EXHAUST | AIR | 121.359 | 270.258 | 48 | .02472 | 65 | 1227 | 12974000 | | |
| EMERGENCY | LOUVER-EXHAUST | AIR | 218.818 | 345.392 | 76 | .04113 | 66 | 1250 | 12976000 | | |
| EMERGENCY | FORWARD-ESCAPE-HATCH-CARGO-COMP | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 12978000 | | |
| EMERGENCY | FORWARD-EXIT-TOP | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 | 12980000 | | |
| EMERGENCY | CENTER-EXIT-TOP | AIR | * | 27.1597 | 50 | .08478 | 63 | 1198 | 12982000 | | |
| EMERGENCY | ESCAPE-HATCH-CARGO-COMPARTMENT | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 12984000 | | |
| EMERGENCY | AFT-ESCAPE-HATCH-CARGO-COMPARTMENT | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 12986000 | | |
| EMERGENCY | AFT-EXIT-TOP | AIR | * | 27.1597 | 50 | .08478 | 63 | 1198 | 12988000 | | |
| EMERGENCY | FORWARD-ESCAPE-HATCH-CARGO-COMPARTMENT | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 | 12990000 | | |
| EMERGENCY | SIDE-EXIT | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 | 12992000 | | |
| EMERGENCY | ESCAPE-HATCH-CARGO-COMPARTMENT | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 | 12994000A | | |
| EMERGENCY | AFT-ESCAPE-HATCH-CARGO-COMPARTMENT | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 | 12996000A | | |
| EMERGENCY | FORWARD-EXIT-TOP | AIR | * | 27.1597 | 50 | .08478 | 63 | 1198 | 12998000 | | |
| EMERGENCY | SIDE-EXIT | AIR | 6.37902 | 23.6455 | 304 | .1645 | 66 | 1250 | 13000000A | | |
| EMERGENCY | SIDE-EXIT | AIR | 7.8796 | 30.6492 | 50 | .12691 | 65 | 1198 | 13002000 | | |
| EMERGENCY | FORWARD-EXIT-TOP | AIR | 8.59328 | 33.4252 | 100 | .11637 | 65 | 1198 | 13004000 | | |
| EMERGENCY | CENTER-EXIT-TOP | AIR | 8.59328 | 33.4252 | 100 | .11637 | 65 | 1198 | 13006000 | | |
| EMERGENCY | CENTER-EXIT-TOP | AIR | 11.3636 | 44.2011 | 102 | .088 | 63 | 1114 | 13008000 | | |
| EMERGENCY | GENERATOR-FUSELAGE | AIR | 15.7591 | 41.9375 | 50 | .12691 | 65 | 1198 | 13010000 | | |
| EMERGENCY | SIDE-EXIT | AIR | 19.5242 | 53.0215 | 50 | .10034 | 63 | 1123 | 13012000 | | |
| EMERGENCY | SIDE-EXIT | AIR | 23.5904 | 62.7777 | 50 | .08478 | 63 | 1198 | 13014000 | | |
| EMERGENCY | FORWARD-ESCAPE-HATCH | AIR | 26.6666 | 70.964 | 50 | .075 | 63 | 1114 | 13016000 | | |
| EMERGENCY | CENTER-EXIT-TOP | AIR | 40.453 | 157.35 | 48 | .02472 | 65 | 1227 | 13018000 | | |
| EMERGENCY | FORWARD-ESCAPE-HATCH | AIR | 42.9664 | 79.7 | 100 | .11637 | 65 | 1198 | 13020000 | | |
| EMERGENCY | FORWARD-EXIT-TOP | AIR | 48.6263 | 129.401 | 76 | .04113 | 66 | 1250 | 13022000A | | |
| EMERGENCY | AFT-EXIT-TOP | AIR | 55.1571 | 92.7499 | 50 | .12691 | 65 | 1158 | 13024000 | | |
| EMERGENCY | CENTER-EXIT-TOP | AIR | 56.8181 | 105.394 | 102 | .088 | 63 | 1114 | 13026000 | | |
| EMERGENCY | ESCAPE-SYSTEM | AIR | 66.6666 | 259.313 | 68 | .015 | 63 | 1114 | 13028000 | | |
| EMERGENCY | AFT-EXIT-TOP | AIR | 74.0877 | 120.343 | 63 | .10798 | 65 | 1155 | 13030000 | | |
| ENTRANCE-FLIGHT-DECK | AFT-EXIT-TOP | AIR | 111.712 | 162.91 | 160 | .11637 | 65 | 1198 | 13032000 | | |
| ENTRANCE-FLIGHT-DECK | FUSELAGE-FWD-MOUSE | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 13034000 | | |
| EXTERNAL | FUSELAGE-FORWARD-MOUSE | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 | 13036000A | | |
| FORWARD-LOWER | LANDING-GEAR-MAIN | AIR | 33.2704 | 52.5156 | 80 | .27051 | 63 | 1123 | 13038000 | | |
| FORWARD-UPPER-N/HDM | N/HDM-AFT-COMPARTMENT | HELI | 27.8034 | 115.513 | 80 | .0692 | 66 | 1257 | 13040000 | | |
| FORWARD-UPPER-N/HDM | AFT-COMPARTMENT | HELI | 147.058 | 391.345 | 40 | .0136 | 66 | 1257 | 13042000 | | |
| FORWARD-UPPER-N/HDM | AFT-COMPARTMENT | HELI | 276.497 | 615.741 | 40 | .01085 | 66 | 1257 | 13044000 | | |
| FORWARD-UPPER-N/HDM | AFT-COMPARTMENT | HELI | 809.248 | 966.25 | 80 | .0692 | 66 | 1257 | 13046000 | | |
| HYDRAULIC | AFT-COMPARTMENT | HELI | 909.09 | 1203.68 | 60 | .0253 | 66 | 1257 | 13048000 | | |
| | AFT-CARGO | AIR | * | 27.1597 | 50 | .08478 | 63 | 1198 | 13050000 | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 277 DOURS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | LRSS OF DATA INDEX |
|-------------------------------------|-----------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|--------------------|
| PART DESCRIPTION | | | | | | | | | |
| •CC N.O.C. | | | | | | | | | |
| HYDRAULIC | | PETAL | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 13132000 |
| HYDRAULIC | | AFT-CARGO | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 13054000 |
| HYDRAULIC | | AFT-CARGO | AIR | 7.8796 | 30.6492 | 50 | .12691 | 65 | 1198 13056000 |
| HYDRAULIC | | FORWARD-CARGO | AIR | 7.8796 | 30.6492 | 50 | .12691 | 65 | 1198 13058000 |
| HYDRAULIC | | AFT-CARGO | AIR | 11.3636 | 44.2011 | 102 | .088 | 63 | 1114 13060000 |
| HYDRAULIC | | FORWARD-CARGO | AIR | 47.1809 | 94.2857 | 50 | .08478 | 63 | 1198 13062000 |
| HYDRAULIC | | FORWARD-CARGO | AIR | 50.3778 | 195.954 | 100 | .01985 | 65 | 1198 13064000 |
| HYDRAULIC | | FORWARD-CARGO | AIR | 53.3333 | 106.58 | 50 | .075 | 63 | 1114 13066000 |
| HYDRAULIC | | FORWARD-CARGO | AIR | 79.5454 | 133.76 | 102 | .088 | 63 | 1114 13068000 |
| HYDRAULIC-PETAL | | | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 13070000 |
| HYDRAULIC-PRESSURE | | | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 13072000 |
| HYDRAULIC-PRESSURE | | | AIR | * | 94.5708 | 76 | .04113 | 66 | 1250 13074000 |
| INBOARD | | LANDING-GEAR-MAIN | AIR | 24.3131 | 94.5708 | 76 | .25382 | 65 | 1198 13076000 |
| INBOARD | | LANDING-GEAR-MAIN | AIR | 3.9398 | 15.3246 | 100 | .176 | 63 | 1114 13078000 |
| INBOARD | | LANDING-GEAR-MAIN | AIR | 5.68181 | 22.1035 | 204 | .23274 | 65 | 1198 13080000 |
| INBOARD | | LANDING-GEAR-MAIN | AIR | 12.8899 | 28.7049 | 200 | .04944 | 65 | 1227 13082000 |
| INBOARD | | LANDING-GEAR-MAIN | AIR | 20.2265 | 78.6751 | 96 | .16956 | 63 | 1198 13084000 |
| INBOARD | | LANDING-GEAR-MAIN | AIR | 53.0785 | 83.7815 | 100 | .149 | 63 | 1114 13086000 |
| INBOARD | | LANDING-GEAR-MAIN | AIR | 60.4026 | 95.3422 | 100 | .22854 | 65 | 1228 13088000 |
| INBOARD | | LANDING-GEAR-MAIN | AIR | 61.2584 | 88.0721 | 946 | .17532 | 64 | 1179 13090000 |
| INBOARD | | LANDING-GEAR-MAIN | AIR | 85.5578 | 121.448 | 812 | .04113 | 66 | 1250 13092000 |
| AUXILIARY-POWER-UNIT-WHEEL-WELL-P00 | | | AIR | * | 55.9834 | 76 | .08226 | 66 | 1250 13094000 |
| HYDRAULIC-TEST-CANN-WHEEL-WELL-P00 | | | AIR | 12.1565 | 47.2854 | 152 | .04944 | 65 | 1227 13096000 |
| HYC-TEST-CANN-WHEEL-WELL-P00 | | | AIR | 20.2265 | 78.6751 | 96 | .02472 | 65 | 1227 13098000 |
| AUX-POWER-UNIT-WHEEL-WELL-P00 | | | AIR | 41.453 | 157.35 | 48 | .108 | 63 | 2108 13100000 |
| EXTERNAL-POWER | | | AIR | 148.148 | 207.885 | | .02472 | 65 | 1227 13102000 |
| FORWARD-ENTRANCE | | | AIR | * | 93.1472 | 48 | .04113 | 66 | 1250 13104000A |
| FORWARD-ENTRANCE | | | AIR | 24.3131 | 94.5708 | 76 | .02472 | 65 | 1227 13106000 |
| LIQUID OXYGEN | | | AIR | 41.453 | 157.35 | 48 | .04113 | 66 | 1250 13108000 |
| GAS-TURBINE-COMPRESSOR-ACCESS-PANEL | | | AIR | * | 55.9834 | 76 | .12691 | 65 | 1198 13110000 |
| EMERG-RELEASE-NOSE-LANDING-GEAR | | | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 13112000 |
| ARM-6-ACCESS-PANEL | | | AIR | * | 18.1435 | 50 | .25362 | 63 | 1198 13114000 |
| REFUELING-SINGLE-POINT | | | AIR | * | 9.07178 | 100 | .11637 | 65 | 1198 13116000 |
| EXT-HYC-SUPPLY | | | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 13118000 |
| EXT-PNEUMATIC-SYSTEM | | | AIR | * | 19.7868 | 100 | .12691 | 65 | 1198 13120000 |
| NOSE-LANDING-GEAR | | | AIR | * | 18.1435 | 50 | .11637 | 65 | 1198 13122000 |
| EXT-PNEUMATIC-SYSTEM | | | AIR | * | 19.7868 | 100 | .12691 | 65 | 1198 13124000 |
| BATTERY-COMPARTMENT | | | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 13126000 |
| EXT-HYC-SUPPLY | | | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 13128000 |
| ATR-COND-CARGO | | | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 13130000 |
| NOSE-LANDING-GEAR | | | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 13132000 |
| EMERG-RELEASE-NOSE-LANDING-GEAR | | | AIR | * | 18.1435 | 50 | .11637 | 63 | 1198 13134000 |
| ARM-6-ACCESS-PANEL | | | AIR | 4.29664 | 16.7126 | 200 | .23274 | 63 | 1114 13136000 |
| REFUELING-SINGLE-POINT | | | AIR | 7.8796 | 30.6492 | 50 | .12691 | 65 | 1198 13138000 |
| AIR-COND-CARGO | | | AIR | 8.59328 | 33.4252 | 100 | .11637 | 65 | 1198 13140000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1: FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 277 DOORS

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX REF NO |
|---------------------------|---------------------------------------|-------------|--------------|---------------------|-----------------|------------|------------|--------------------|
| MECHANICAL ACCESS/INSP | BATTERY-COMPARTMENT | AIR | 8.59328 | 33.4252 | 100 | .11637 | 63 1198 | 13142000 |
| MECHANICAL ACCESS/INSP | OXYGEN-FILLER | AIR | 8.59328 | 33.4252 | 100 | .11637 | 65 1198 | 13144000 |
| MECHANICAL ACCESS/INSP | EXTERNAL-POWER | AIR | 11.3636 | 44.2011 | 102 | .088 | 63 1114 | 13146000 |
| MECHANICAL ACCESS/INSP | EXT-HYD-SUPPLY | AIR | 11.7952 | 45.8799 | 50 | .08478 | 63 1198 | 13148000 |
| MECHANICAL ACCESS/INSP | NOSE-LANDING-GEAR | AIR | 11.7952 | 45.8799 | 50 | .08478 | 63 1198 | 13150000 |
| MECHANICAL ACCESS/INSP | BATTERY-COMPARTMENT | AIR | 11.7952 | 45.8799 | 50 | .08478 | 65 1198 | 13152000 |
| MECHANICAL ACCESS/INSP | ARM-5-ACCESS-PANEL | AIR | 11.798 | 31.3962 | 100 | .16952 | 65 1198 | 13154000 |
| MECHANICAL ACCESS/INSP | NOSE-LANDING-GEAR | AIR | 13.3333 | 51.8626 | 50 | .075 | 63 1114 | 13156000 |
| MECHANICAL ACCESS/INSP | BATTERY-COMPARTMENT | AIR | 13.3333 | 51.8626 | 50 | .075 | 65 1114 | 13158000 |
| MECHANICAL ACCESS/INSP | EXT-HYD-SUPPLY | AIR | 13.3333 | 51.8626 | 50 | .075 | 63 1114 | 13160000 |
| MECHANICAL ACCESS/INSP | ARM-5-ACCESS-PANEL | AIR | 13.4228 | 35.1201 | 100 | .149 | 65 1114 | 13162000 |
| MECHANICAL ACCESS/INSP | EXTERNAL-POWER | AIR | 15.7591 | 41.9375 | 50 | .12691 | 65 1198 | 13164000 |
| MECHANICAL ACCESS/INSP | GAS-TURBINE-COMPRESSOR-ACCESS-PANEL | AIR | 25.7798 | 57.4099 | 100 | .11637 | 65 1198 | 13166000 |
| MECHANICAL ACCESS/INSP | EXTERNAL-POWER | AIR | 42.9664 | 79.7 | 100 | .11637 | 65 1198 | 13168000 |
| MECHANICAL ACCESS/INSP | GAS-TURBINE-COMPRESSOR-ACCESS-PANEL | AIR | 47.1809 | 94.2857 | 50 | .08478 | 63 1198 | 13170000 |
| MECHANICAL ACCESS/INSP | REFUELING-SINGLE-POINT | AIR | 47.1809 | 94.2857 | 50 | .08478 | 63 1198 | 13172000 |
| MECHANICAL ACCESS/INSP | GAS-TURBINE-COMPRESSOR-ACCESS-PANEL | AIR | 53.3333 | 106.58 | 50 | .075 | 63 1114 | 13174000 |
| MECHANICAL ACCESS/INSP | EXTERNAL-POWER | AIR | 53.3333 | 106.58 | 50 | .075 | 63 1114 | 13176000 |
| MECHANICAL ACCESS/INSP | EXTERNAL-POWER | AIR | 153.338 | 223.613 | 50 | .08478 | 63 1198 | 13178000 |
| MECHANICAL ACCESS/INSP | GAS-TURBINE-COMPRESSOR-EXHAUST | AIR | 160 | 237.087 | 50 | .075 | 63 1114 | 13180000 |
| MECHANICAL ACCESS/INSP | GAS-TURBINE-COMPRESSOR-EXHAUST | AIR | 224.109 | 305.526 | 50 | .08478 | 63 1198 | 13182000 |
| MECHANICAL ACCESS/INSP | GAS-TURBINE-COMPRESSOR-INTAKE | AIR | 240 | 330.084 | 50 | .075 | 63 1114 | 13184000 |
| MECHANICAL ACCESS/INSP | GAS-TURBINE-COMPRESSOR-INTAKE | AIR | 306.676 | 399.108 | 50 | .08478 | 63 1198 | 13186000 |
| MECHANICAL ACCESS/INSP | GAS-TURBINE-COMPRESSOR-EXHAUST-SCREEN | AIR | 333.333 | 436.149 | 50 | .075 | 63 1114 | 13188000 |
| MECHANICAL ACCESS/INSP | GAS-TURBINE-COMPRESSOR-EXHAUST-SCREEN | AIR | 1215.9 | 1380.84 | 102 | .028 | 65 1198 | 13190000 |
| MECHANICAL ACCESS/INSP | GAS-TURBINE-COMPRESSOR-EXHAUST-SCREEN | AIR | 1386.8 | 1530.6 | 50 | .12691 | 65 1198 | 13192000 |
| MECHANICAL CREW | | AIR | * | 19.7868 | 100 | .11637 | 65 1198 | 13194000 |
| MECHANICAL CREW | | AIR | 68.1818 | 119.682 | 102 | .088 | 63 1114 | 13196000 |
| MECHANICAL CREW | | AIR | 94.5551 | 140.111 | 50 | .12691 | 65 1198 | 13198000 |
| MECHANICAL CREW | | AIR | 294.88 | 385.836 | 50 | .08478 | 63 1198 | 13200000 |
| MECHANICAL CREW | | AIR | 306.666 | 406.044 | 50 | .075 | 63 1114 | 13202000 |
| MECHANICAL EXTERNAL-POWER | | AIR | 72.9394 | 162.431 | 76 | .04113 | 66 1250 | 13204000 |
| MECHANICAL FS1398 | | AIR | * | 93.1472 | 48 | .02472 | 65 1227 | 13206000 |
| MECHANICAL FS1398 | | AIR | * | 55.834 | 76 | .04113 | 66 1250 | 13208000 |
| MECHANICAL FS1398 | | AIR | * | 9.89344 | 200 | .23274 | 65 1198 | 13210000 |
| MECHANICAL FS1398 | | AIR | * | 9.07178 | 100 | .25382 | 65 1198 | 13212000 |
| MECHANICAL FS1398 | | AIR | 106.157 | 146.003 | 100 | .16956 | 63 1198 | 13214000 |
| MECHANICAL FS1398 | | AIR | 114.093 | 158.43 | 100 | .149 | 63 1114 | 13216000 |
| MECHANICAL FS1398 | | AIR | * | 27.9917 | 152 | .08226 | 66 1250 | 13218000 |
| MECHANICAL FS1398 | | AIR | * | 46.5736 | 96 | .04944 | 65 1227 | 13220000 |
| MECHANICAL FS1398 | | AIR | 201.247 | 310.055 | 96 | .04969 | 63 1123 | 13222000 |
| MECHANICAL FS1398 | | AIR | 20.2265 | 78.6751 | 96 | .04944 | 65 1227 | 13224000 |
| MECHANICAL FS1398 | | AIR | 36.4697 | 81.2156 | 152 | .08226 | 66 1250 | 13226000 |
| CARGO-COMPARTMENT | | AIR | | | | | | |
| CARGO-COMPARTMENT | | AIR | | | | | | |
| AIR-INTAKE | | AIR | | | | | | |
| LANDING-GEAR | | AIR | | | | | | |
| LANDING-GEAR | | AIR | | | | | | |

100 M.G.C.

JANUARY 1968

WHELFLECTRONIC PART FAILURE RATE DATA

UPPER PART YR CROSS

[illegible]

FUNCTIONAL APPLICATION

| | | | | | | |
|---------|---------|------|--------|----|------|----------|
| 8.59328 | 22.868 | 200 | .23274 | 65 | 1198 | 13228000 |
| 15.7591 | 31.4929 | 100 | .25382 | 65 | 1198 | 13230000 |
| 20.2255 | 78.6751 | 96 | .04944 | 65 | 1227 | 13232000 |
| 41.2833 | 69.4202 | 100 | .16956 | 63 | 1198 | 13234000 |
| 46.9798 | 78.9993 | 100 | .149 | 63 | 1114 | 13236000 |
| 60.6796 | 106.513 | 192 | .09888 | 65 | 1227 | 13238000 |
| 60.7902 | 93.6574 | 304 | .1645 | 66 | 1250 | 13240000 |
| 39.5256 | 153.743 | 80 | .0253 | 66 | 1257 | 13242000 |
| 303.468 | 407.287 | 80 | .0692 | 66 | 1257 | 13244000 |
| 1300 | 1609.63 | 120 | .03 | 65 | 1215 | 13246000 |
| 20.1247 | 78.2793 | | .04969 | 63 | 1123 | 13248000 |
| 214.82 | 228.446 | 2388 | 2.0715 | 67 | 1272 | 13250000 |
| 39.5256 | 153.743 | 80 | .0253 | 66 | 1257 | 13252000 |
| 130.057 | 205.289 | 80 | .0692 | 66 | 1257 | 13254000 |
| 147.058 | 391.345 | 40 | .0136 | 66 | 1257 | 13256000 |
| 460.829 | 854.811 | 40 | .01085 | 66 | 1257 | 13258000 |
| 173.41 | 304.395 | 40 | .0346 | 68 | 1257 | 13260000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

PART CLASS 278 DOUBLERS

PART DESCRIPTION FUNCTIONAL APPLICATION

-GO N.B.C.

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPUL- LATION | PART HOURS | YR OF DATA RPT SRCE REF NO | CROSS INDEX |
|-------------|--------------|---------------------------|--------------------------|---------------|----------------------------------|----------------|
| AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 13262000 |
| AIR | * | 55.9834 | 76 | .04113 | 66 | 1230 13264000 |
| AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 13266000 |
| AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 13268000 |
| AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 13270000 |
| AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 13272000 |
| AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 13274000 |
| AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 13276000 |

FUSELAGE-FORWARD-NOSE
FUSELAGE-FORWARD
FUSELAGE-FORWARD-NOSE
FUSELAGE-FORWARD
RUDDER-FLIGHT-CENTRAL
FUSELAGE-CENTER
RUDDER-FLIGHT-CENTRAL
FUSELAGE-CENTER

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 279 GRAINS | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|---------------------------------------|------------------------|--------------|---------------------|-------------------|------------|-----------------|-------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | | | RPT SRCE REF NO | |
| .00 N.O.C. | | | | | | | |
| PITOT-STATIC-SYSTEM | AIR | * | 96.4641 | 62 | .02387 | 63 1111 | 13278000 |
| SENSE-ANTENNA-RADIO-COMPASS-AN/ARN-6 | AIR | * | 13.5798 | 100 | .16956 | 65 1198 | 13280000 |
| NACELLE-DRY-BAY | AIR | * | 4.94672 | 400 | .46548 | 65 1198 | 13282000 |
| SINK-GALLEY | AIR | * | 19.7868 | 100 | .11637 | 65 1198 | 13284000 |
| SUMP-FUEL-SYSTEM | AIR | * | 192.847 | 31 | .01194 | 63 1111 | 13286000 |
| SENSE-ANTENNA-RADIO-COMPASS-AN/ARN-6 | AIR | * | 27.1597 | 50 | .08478 | 63 1198 | 13288000 |
| PITOT-STATIC-SYSTEM-FLIGHT-INSTRUMENT | AIR | * | 3.35737 | 500 | .58185 | 65 1198 | 13290000 |
| PITOT-STATIC-SYSTEM-FLIGHT-INSTRUMENT | AIR | * | 5.43194 | 250 | .4239 | 63 1198 | 13292000 |
| PITOT-STATIC-SYSTEM-FLIGHT-INSTRUMENT | AIR | 1.31328 | 5.10828 | 300 | .76145 | 65 1198 | 13294000 |
| OIL-SYSTEM-ENGINE | AIR | 41.8848 | 83.792 | 248 | .0955 | 63 1111 | 13296000 |
| PITOT-STATIC-SYS-FLIGHT-INSTRUMENT | AIR | 1.89035 | 7.35293 | 612 | .529 | 63 1114 | 13298000 |
| ENGINE | AIR | 1515.15 | 5893.48 | 6 | .00066 | 62 1157 | 13300000 |

COCKS
OVERBOARD

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 280 DRIVES | FUNCTIONAL APPLICATION | | ENVIRONMENT | | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|--|------------|------------------------|--|-------------|---------|--------------|---------------------|-----------------|------------|------------|----------------|
| PART DESCRIPTION | | | | | | | | | | | |
| .CO N.O.C. | | | | | | | | | | | |
| SECTOR-AILERON-AUTOPILOT-SYSTEM | | | | AIR | GRD AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 13302000 |
| ANGLE-A-RADAR | | | | SIM | GRD AIR | * | 82.9765 | 175 | .02775 | 64 | 1181 13304000A |
| SECTOR-ELEVATOR-AUTOPILOT-SYSTEM | | | | AIR | GRD AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 13306000 |
| MIRROR-OPTICAL-DISPLAY-SIGHT | | | | SIM | GRD AIR | * | 82.9765 | 195 | .02775 | 64 | 1181 13308000A |
| SECTOR-AILERON-AUTOPILOT-SYSTEM | | | | AIR | GRD AIR | * | 21.1597 | 50 | .08478 | 63 | 1198 13310000 |
| ACCESSORY-BASIC-ENGINE-TURBOPROP-POWER-PLANT | | | | AIR | GRD AIR | * | 4.94672 | 400 | .46548 | 65 | 1198 13312000 |
| ASYMMETRY-DETECTOR-WING-SPOILER-SYS | | | | AIR | GRD AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 13314000 |
| SECTOR-AILERON-AUTOPILOT-SYSTEM | | | | AIR | GRD AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 13316000 |
| SECTOR-RUDDER-AUTOPILOT-SYSTEM | | | | AIR | GRD AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 13318000 |
| ACCESSORY-TAKEOFF-AIR-INLET-ENGINE | | | | AIR | GRD AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 13320000 |
| WHEEL-ASSEMBLY | | | | LAB | GRD AIR | * | 6.78992 | 200 | .33912 | 63 | 1198 13322000 |
| ACCESSORY-TAKEOFF-AIR-INLET-ENGINE | | | | LAB | GRD AIR | .025 | 1.96993 | 200 | .50763 | 63 | 1198 13324000 |
| ANTENNA | | | | LAB | GRD AIR | 5.7 | 7.8796 | 50 | .12691 | 63 | 1198 13326000 |
| SECTOR-ELEVATOR-AUTOPILOT-SYSTEM | | | | AIR | GRD AIR | 9.84969 | 30.6452 | 50 | .12691 | 65 | 1198 13330000 |
| ACCESSORY-BASIC-ENGINE-TURBOPROP-POWER-PLANT | | | | AIR | GRD AIR | | 18.2705 | 200 | .50763 | 65 | 1198 13332000 |
| SECTOR-ELEVATOR-AUTOPILOT-SYSTEM | | | | AIR | GRD AIR | | 44.2011 | 102 | .088 | 63 | 1114 13334000 |
| SECTOR-ELEVATOR-AUTOPILOT-SYSTEM | | | | AIR | GRD AIR | | 45.8799 | 50 | .04478 | 63 | 1198 13336000 |
| SECTOR-RUDDER-AUTOPILOT-SYSTEM | | | | AIR | GRD AIR | | 45.8799 | 50 | .08478 | 65 | 1198 13338000 |
| SECTOR-ELEVATOR-AUTOPILOT-SYSTEM | | | | AIR | GRD AIR | | 51.8626 | 50 | .075 | 63 | 1114 13340000 |
| ACCESSORY-BASIC-ENGINE-TURBOPROP-POWER-PLANT | | | | AIR | GRD AIR | | 26.7342 | 200 | .299 | 63 | 1114 13342000 |
| ACCESSORY-BASIC-ENGINE-TURBOPROP-POWER-PLANT | | | | AIR | GRD AIR | | 27.3453 | 200 | .33912 | 63 | 1198 13344000 |
| ANGLE-E-RADAR | | | | SIM | GRD AIR | | 191.794 | 195 | .02775 | 64 | 1181 13346000A |
| ACCESSORY-BASIC-ENGINE | | | | AIR | GRD AIR | | 210.764 | 248 | .0955 | 63 | 1111 13348000 |
| ANGLE-B-RADAR | | | | SIM | GRD AIR | | 334.223 | 195 | .02775 | 64 | 1181 13350000A |
| GEAR-BOX-WING-FLAP-SYSTEM | | | | AIR | GRD AIR | | 623.246 | 48 | .02472 | 65 | 1227 13352000 |
| ANTENNA-HI-SPEED-BOMBING-RADAR-ASR-36 | | | | AIR | GRD AIR | | 2550.52 | 31 | .01194 | 63 | 1111 13354000 |
| ASYMMETRY-DETECTOR | | | | AIR | GRD AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 13356000 |
| WING-SPOILER-SYSTEM | | | | LAB | GRD AIR | 3.88 | | | | 63 | 1138 13358000 |
| B-720 | | | | AIR | GRD AIR | 200 | | | | 6 | 1068 13360000 |
| DC-E | | | | AIR | GRD AIR | 211.254P | 318.766P | | .05207P | 66 | 2400 13362000 |
| 727 | | | | AIR | GRD AIR | 266.15P | 335.946P | | .12399P | 66 | 2400 13364000 |
| ELECTRICAL-POWER-707-331B | | | | AIR | GRD AIR | 471.413P | 583.695P | | .08273P | 66 | 2400 13366000 |
| ELECTRICAL-POWER-331C/373C | | | | AIR | GRD AIR | 210P | | | | 65 | 2164 13368000 |
| ELECTRICAL-POWER-707-131B | | | | AIR | GRD AIR | 240P | | | | 65 | 2365 13370000 |
| ELECTRICAL-POWER-707-131B | | | | AIR | GRD AIR | 250P | | | | 65 | 2361 13372000 |
| ELECTRICAL-POWER-331C/373C | | | | AIR | GRD AIR | 280P | | | | 65 | 2253 13374000 |
| ELECTRICAL-POWER-707-331 | | | | AIR | GRD AIR | 390P | | | | 65 | 2362 13376000 |
| GENERATOR | | | | AIR | GRD AIR | 418.848 | 566.389 | 124 | .04775 | 63 | 1111 13378000 |
| ELECTRICAL-POWER-727 | | | | AIR | GRD AIR | 47 P | | | | 66 | 2363 13380000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

MECHANICAL PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 285 DRIVES | FAILURE RATE DATA | UPPER 90 CONF LIMIT | PAK POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|---|--|-------------------|---------------------|----------------|------------|------------|----------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | LATION | HOURS | RPT SRC | REF NO |
| CONSTANT-SPEED | ELECTRICAL-POWER, 707-3318 | AIR | 470P | | | 66 | 2354 13382000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 707-3318 | AIR | 490P | | | 66 | 2354 13384000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 331C/373C | AIR | 500P | | | 65 | 2365 13386000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 331C/373C | AIR | 510P | | | 66 | 2363 13388000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 727 | AIR | 550P | | | 65 | 2360 13390000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 707-1318 | AIR | 580P | | | 66 | 2361 13392000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 331C/373C | AIR | 600P | | | 66 | 2360 13394000 |
| CONSTANT-SPEED | ACCESSORY-BASIC-ENGINE | AIR | 613.981 | 304 | .1445 | 66 | 1250 13396000A |
| CONSTANT-SPEED | ACCESSORY-BASIC-ENGINE | AIR | 667.475 | 192 | .09888 | 65 | 1227 13398000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 707-3318 | AIR | 710P | | | 66 | 2362 13400000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 707-1318 | AIR | 730P | | | 66 | 2362 13402000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 331C/373C | AIR | 740P | | | 66 | 2361 13404000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 727 | AIR | 750P | | | 66 | 2360 13406000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 707-1318 | AIR | 750P | | | 66 | 2363 13408000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 707-1318 | AIR | 810P | | | 66 | 2362 13410000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 331C/373C | AIR | 810P | | | 66 | 2363 13412000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 707-1318 | AIR | 840P | | | 65 | 2362 13414000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 707-1318 | AIR | 950P | | | 66 | 2362 13416000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 707-3318 | AIR | 860P | | | 65 | 2361 13418000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 727 | AIR | 860P | | | 66 | 2360 13420000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 727 | AIR | 880P | | | 65 | 2363 13422000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 707-1318 | AIR | 900P | | | 65 | 2363 13424000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 331C/373C | AIR | 900P | | | 66 | 2364 13426000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 707-1318 | AIR | 1010P | | | 66 | 2365 13428000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 727 | AIR | 1020P | | | 66 | 2364 13430000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 707-3318 | AIR | 1070P | | | 66 | 2365 13432000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 707-3318 | AIR | 1070P | | | 66 | 2361 13434000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 707-3318 | AIR | 1150P | | | 66 | 2361 13436000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 727 | AIR | 1230P | | | 66 | 2363 13438000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 727 | AIR | 1320P | | | 55 | 2365 13440000 |
| CONSTANT-SPEED | ELECTRICAL-POWER, 331C/373C | AIR | 1390P | | | 65 | 2360 13442000 |
| CONSTANT-SPEED | 40-KVA | AIR | 412.666 | 124 | .048 | 63 | 1111 13444000 |
| HYDROMECHANICAL | | | | | | | |
| CONSTANT-SPEED, HYDRAULIC | GENERATOR | AIR | 214.285 | | .028 | 61 | 1022 13446000 |
| CONSTANT-SPEED, HYDRAULIC | GENERATOR | AIR | 2670.22 | 82 | .00749 | 63 | 1132 13448000 |
| CONSTANT-SPEED, HYDRAULIC | AXIAL-HYDRAULIC-PUMP/MOTOR | AIR | 2930.4 | 80 | .02184 | 63 | 1132 13450000 |
| CONSTANT-SPEED, PLANETARY-GEARED-DIFFERENTIAL | | AIR | 653.594 | 35 | .00304 | 65 | 1257 13452000 |
| 30A6003 | | | | | | | |
| CONSTANT-SPEED, PNEUMATIC | RADIAL-HYDRAULIC-PUMP/MOTOR | AIR | 2.8 | | | 63 | 1130 13454000 |
| CONSTANT-SPEED, PNEUMATIC | SERVO-MOTOR/GEAR-TRAIN/PRECISION-POSITIVE-SWITCHES | AIR | 1476.97 | 51 | .01151 | 65 | 1247 13456000 |
| CONSTANT-SPEED, PNEUMATIC | | SHP | 2926.82 | 9 | .00205 | 64 | 1161 13458000A |
| DIRECT | STRAIGHT-1 IN-ING-FLIGHT-TRACK-NAV | LAB | .4 | | | 63 | 1158 13460000 |
| OPIFT | | AIR | | 50 | .01045 | 63 | 1158 13462000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART PPU- LATION | PART HOURS | YR OF DATA | CROSS REF NO |
|-----------------------------|------------------------------------|------------------------|-------------|--------------|---------------------|------------------|------------|------------|---------------|
| JO N.O.C. | | | | | | | | | |
| FLEXIBLE | WINDSHIELD-WIPER-SYSTEM | | AIR | * | 96.464 | 62 | .02367 | 63 | 1111 13464000 |
| FLEXIBLE | WINDSHIELD-WIPER-SYSTEM | | AIR | 5.89761 | 22.9395 | 100 | .16956 | 63 | 1198 13466000 |
| FLEXIBLE | WINDSHIELD-WIPER-SYSTEM | | AIR | 6.7114 | 26.107 | 100 | .149 | 63 | 1114 13468000 |
| FLEXIBLE | WINDSHIELD-WIPER-SYSTEM | | AIR | 8.59328 | 22.868 | 200 | .23274 | 65 | 1198 13470000 |
| FLEXIBLE | WINDSHIELD-WIPER-SYSTEM | | AIR | 17.0454 | 37.459 | 204 | .176 | 63 | 1111 13472000 |
| GEARBOX | WINDSHIELD-WIPER-SYSTEM | | AIR | 340.384 | 489.375 | 76 | .04113 | 66 | 1250 13474000 |
| HYDRAULIC | WING-FLAP-ASSEMBLY | | AIR | 120.305 | 172.965 | 100 | .11637 | 65 | 1198 13476000 |
| MANUAL | PITCH-TRIM-ACTUATOR | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 13478000 |
| MANUAL | PITCH-TRIM-ACTUATOR | | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 13480000 |
| MANUAL | WING-FLAP-ASSEMBLY | | AIR | * | 19.7868 | 190 | .11637 | 65 | 1198 13482000 |
| MANUAL | WING-FLAP-ASSEMBLY | | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 13484000 |
| MECHANICAL | RECEIVER-TRANSMITTER | | SIM GRD AIR | * | 91.9201 | 195 | .02302 | 64 | 1181 13486000 |
| MOTOR | PREC-POT/SERVO/SYNC/GEAR-TRAIN | | SHP | 384.615 | 1456.13 | 30 | .0026 | 65 | 1246 13488000 |
| PITCH-ANGLE | ROLL-ANGLE | | SHP | 240.304 | 445.399 | 9 | .0208 | 64 | 1161 13490000 |
| PRECISION-POT/SERVO/ | ROLL-ANGLE | | SHP | 1818.18 | 4048.96 | 10 | .00165 | 65 | 1246 13492000 |
| PRECISION-POT/SERVO/SYNCHRO | ROLL-ANGLE.L | | SHP | 2857.14 | 7603.28 | 60 | .0007 | 65 | 1246 13494000 |
| PRECISION-POT/SERVO/SYNCHRO | ROLL-ANGLE | | SHP | 3933.33 | 4677.41 | 30 | .0048 | 65 | 1246 13496000 |
| PRECISION-POT/SERVO/SYNCHRO | PITCH-ANGLE | | SHP | 3541.66 | 4517.93 | 30 | .0049 | 65 | 1246 13498000 |
| RANGE/WIND/DRIET-ANGLE | RADAR | | SIM GRD AIR | 324.324 | 511.927 | 195 | .02775 | 64 | 1181 13500000 |
| ROLL-ANGLE | STRAIGHT-LINE-IND-FLIGHT-TRACK-NAV | | AIR | * | 220.344 | 50 | .01045 | 63 | 1198 13502000 |
| SERVO-MOTOR.GEAR-TRAIN. | PREC-POT/SERVO/SYNC/GEAR-TRAIN | | AIR | 240.384 | 445.899 | 9 | .0208 | 64 | 1161 13504000 |
| SYNCHRO-TEST-PROBLEM | ROLL-ANGLE | | SHP | 1190.47 | 4630.59 | 5 | .00394 | 55 | 1246 13506000 |
| SYNCHRO-TEST-PROBLEM | ROLL-ANGLE | | SHP | 1458.33 | 2452.27 | 30 | .0048 | 65 | 1246 13508000 |
| SYNCHRONIZING | PITCH-AMPLIFIER-AUTOPILOT | | AIR | 7.79089 | 20.7327 | 195 | .25671 | 63 | 1123 13510000 |
| SYNCHRONIZING-COURSE | AUTO-FLIGHT-CONTROL | | SIM GRD AIR | 24.05 | 93.5473 | 195 | .04158 | 64 | 1181 13512000 |
| SYNCHRONIZING-INTEGRATOR | AUTO-FLIGHT-CONTROL | | SIM GRD AIR | 120.25 | 223.056 | 195 | .04158 | 64 | 1181 13514000 |
| SYNCHRONIZING-PITCH | AUTO-FLIGHT-CONTROL | | SIM GRD AIR | 96.2 | 192.245 | 195 | .04158 | 64 | 1181 13516000 |
| SYNCHRONIZING-ROLL | AUTO-FLIGHT-CONTROL | | SIM GRD AIR | 24.05 | 93.5473 | 195 | .04158 | 64 | 1181 13518000 |
| TEST-PROBLEM | RADAR | | SHP | 3030.3 | 11786.9 | 30 | .00033 | 65 | 1246 13520000 |
| TIME/RANGE | TRACK-NAV | | SIM GRD AIR | 252.252 | 424.176 | 195 | .02775 | 64 | 1181 13522000 |
| TRACK-FINAL | (MEMILES) | | GRD | 8.1111 | 31.5466 | 30 | .12334 | 66 | 1255 13524000 |

44
70

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 2RT DUCTS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA INDEX | CROSS REF SRC |
|------------|-----------|---|---|-------------|--------------|---------------------|-----------------|------------|------------------|---------------|
| PART CLASS | 2RT DUCTS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA INDEX | CROSS REF SRC |
| 40 | N.C.C. | EXHAUST-PNEUMATIC-PLANT | EXHAUST-PNEUMATIC-PLANT | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 13526000 |
| | | EXHAUST-AUX-POWER-UNIT | EXHAUST-AUX-POWER-UNIT | AIR | * | 53.1472 | 48 | .02472 | 65 | 1227 13528000 |
| | | COMPENSATOR-BLEED-AIR-SYS | COMPENSATOR-BLEED-AIR-SYS | AIR | * | 13.5067 | 336 | .17304 | 65 | 1227 13550000 |
| | | CONDITIONER | CONDITIONER | AIR | * | 19.7968 | 100 | .11637 | 63 | 1114 13522000 |
| | | INTAKE-FAN-AIR-TURBINE-MOTOR | INTAKE-FAN-AIR-TURBINE-MOTOR | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 13534000 |
| | | OUTLET-PHE-AIR-COND-SYSTEM | OUTLET-PHE-AIR-COND-SYSTEM | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 13536000 |
| | | INLET-JET-PUMP-AIR-COND-SYSTEM | INLET-JET-PUMP-AIR-COND-SYSTEM | AIR | * | 192.847 | 31 | .01194 | 63 | 1111 13538000 |
| | | AIR-CONDITIONING-SYSTEM | AIR-CONDITIONING-SYSTEM | AIR | * | 53.1472 | 48 | .02472 | 65 | 1227 13540000 |
| | | CONNECTOR-GROUND-START-BLEED-AIR-SYS | CONNECTOR-GROUND-START-BLEED-AIR-SYS | AIR | * | 192.847 | 62 | .01194 | 63 | 1111 13542000 |
| | | WING-PNEUMATIC-PRESSURE-SUPPLY | WING-PNEUMATIC-PRESSURE-SUPPLY | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 13544000 |
| | | INLET-FAN-AIR-TURBINE-MOTOR | INLET-FAN-AIR-TURBINE-MOTOR | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 13546000 |
| | | EXHAUST-FAN-AIR-TURBINE-MOTOR | EXHAUST-FAN-AIR-TURBINE-MOTOR | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 13548000 |
| | | CONNECTION-EXTERNAL-BLEED-AIR-SYS | CONNECTION-EXTERNAL-BLEED-AIR-SYS | AIR | * | 27.1517 | 50 | .08478 | 63 | 1198 13550000 |
| | | AIR-CONDITIONER | AIR-CONDITIONER | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 13552000 |
| | | CONNECTION-EXTERNAL-BLEED-AIR-SYS | CONNECTION-EXTERNAL-BLEED-AIR-SYS | AIR | * | 22.8138 | 124 | .10093 | 63 | 1123 13554000 |
| | | OUTLET-TURBINE-AIR-COND-CARGO-COMPT | OUTLET-TURBINE-AIR-COND-CARGO-COMPT | AIR | * | 46.2219 | 124 | .04775 | 63 | 1111 13556000 |
| | | COMPRESSOR/HEAT-EXCHANGER-AIR-COND | COMPRESSOR/HEAT-EXCHANGER-AIR-COND | AIR | * | 11.6434 | 384 | .15776 | 65 | 1227 13558000 |
| | | WATER-INJECTION-SYSTEM | WATER-INJECTION-SYSTEM | AIR | * | 27.1597 | 50 | .08478 | 63 | 1198 13560000 |
| | | VORTEX-DESTROYER-PNEUMATIC-SYSTEM | VORTEX-DESTROYER-PNEUMATIC-SYSTEM | AIR | * | 192.847 | 31 | .01194 | 63 | 1111 13562000 |
| | | TV-CAMERA-COMPT-ANTI-ICE/DE-ICE-SYS | TV-CAMERA-COMPT-ANTI-ICE/DE-ICE-SYS | AIR | * | 53.1472 | 48 | .02472 | 65 | 1227 13564000 |
| | | TANK-VENT-FUEL-SYSTEM | TANK-VENT-FUEL-SYSTEM | AIR | * | 15.5245 | 238 | .14832 | 65 | 1227 13566000 |
| | | SUPPLY-FLOOR-HEAT-SYSTEM | SUPPLY-FLOOR-HEAT-SYSTEM | AIR | * | 24.1109 | 248 | .0955 | 63 | 1111 13568000 |
| | | SUPPLY-AUX-POWER-UNIT-BLEED-AIR-SYS | SUPPLY-AUX-POWER-UNIT-BLEED-AIR-SYS | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 13570000 |
| | | SUPPLY-ANTI-ICE-SYSTEM | SUPPLY-ANTI-ICE-SYSTEM | AIR | * | 24.1109 | 248 | .0955 | 63 | 1111 13572000 |
| | | OUTLET-FLOW-CONTROL-VALVE-AIR-COND-SYSTEM | OUTLET-FLOW-CONTROL-VALVE-AIR-COND-SYSTEM | AIR | * | 24.1109 | 248 | .0955 | 63 | 1111 13574000 |
| | | BY-PASS-ENGINE | BY-PASS-ENGINE | AIR | * | 5.8217 | 768 | .39552 | 65 | 1227 13576000 |
| | | FLOW-LIMITER-I-D-PNEUMATIC-SYSTEM | FLOW-LIMITER-I-D-PNEUMATIC-SYSTEM | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 13578000 |
| | | OUTLET-RELIEF-VALVE-AIR-COND-SYSTEM | OUTLET-RELIEF-VALVE-AIR-COND-SYSTEM | AIR | * | 31.049 | 144 | .07416 | 55 | 1227 13580000 |
| | | BY-PASS-REFRIGERATOR-AIR-COND-SYSTEM | BY-PASS-REFRIGERATOR-AIR-COND-SYSTEM | AIR | * | 7.76227 | 576 | .29664 | 65 | 1227 13582000 |
| | | ANTI-ICING-ENGINE-PNEUMATIC-SYS | ANTI-ICING-ENGINE-PNEUMATIC-SYS | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 13584000 |
| | | COLLECTOR-I-D-BLEED-PNEUMATIC-SYSTEM | COLLECTOR-I-D-BLEED-PNEUMATIC-SYSTEM | AIR | * | 22.8138 | 192 | .10093 | 43 | 1123 13586000 |
| | | SHUT-OFF-VALVE/HEAT-EXCHANGER-AIR-COND-SYSTEM | SHUT-OFF-VALVE/HEAT-EXCHANGER-AIR-COND-SYSTEM | AIR | * | 192.847 | 31 | .01194 | 63 | 1111 13588000 |
| | | CONNECTION-AIR-CONDITIONING-SYSTEM | CONNECTION-AIR-CONDITIONING-SYSTEM | AIR | * | 46.3273 | 100 | .04668 | 63 | 1123 13590000 |
| | | AIR-INTAKE-NOSE-JET-ENGINE-COMPRESSOR | AIR-INTAKE-NOSE-JET-ENGINE-COMPRESSOR | AIR | * | 4.94672 | 400 | .46548 | 65 | 1198 13592000 |
| | | INTAKE-OIL-COOLER-TURBOPROP-PWR-PLT | INTAKE-OIL-COOLER-TURBOPROP-PWR-PLT | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 13594000 |
| | | CONNECTION-EXTERNAL-BLEED-AIR-SYS | CONNECTION-EXTERNAL-BLEED-AIR-SYS | AIR | * | 48.2219 | 124 | .04775 | 63 | 1111 13596000 |
| | | AIR-CONDITIONER | AIR-CONDITIONER | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 13598000 |
| | | EXHAUST-AC-SUPPLY-SYSTEM | EXHAUST-AC-SUPPLY-SYSTEM | AIR | * | | | | | |
| | | OUTLET-LOWER-FLT-STAT-AIR-COND-SYS | OUTLET-LOWER-FLT-STAT-AIR-COND-SYS | AIR | * | | | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 201 DUCTS

PART DESCRIPTION

.CO N.Y.C.

FUNCTIONAL APPLICATION

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA RPT SRCE | CROSS INDEX REF NO |
|-------------|--------------|---------------------|-----------------|------------|---------------------|--------------------|
| | | | | | | |
| AIR | * | 23.2838 | 192 | .0988 | 65 | 1227 13598000 |
| AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 13600000 |
| AIR | * | 4.53598 | 200 | .50763 | 65 | 1198 13602000 |
| AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 13604000 |
| AIR | * | 9.89344 | 200 | .23274 | 65 | 1198 13606000 |
| AIR | * | 46.3393 | | .04969 | 63 | 1123 13608000A |
| AIR | * | 23.2868 | 192 | .09808 | 65 | 1227 13610000 |
| AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 13612000 |
| AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 13614000 |
| AIR | * | 5.8217 | 768 | .39552 | 65 | 1227 13616000 |
| AIR | * | 4.94672 | 400 | .46548 | 63 | 1198 13618000 |
| AIR | * | 4.53598 | 200 | .50763 | 65 | 1198 13620000 |
| AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 13622000 |
| AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 13624000 |
| AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 13626000A |
| AIR | * | 55.9834 | 760 | .4113 | 66 | 1250 13628000A |
| AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 13630000 |
| AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 13632000A |
| AIR | * | 18.6596 | 228 | .1234 | 66 | 1250 13634000 |
| AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 13636000A |
| AIR | * | 3.49935 | 1216 | .638 | 66 | 1250 13638000 |
| AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 13640000 |
| AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 13642000A |
| AIR | * | 7.99791 | 532 | .2879 | 66 | 1250 13644000 |
| AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 13646000A |
| AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 13648000 |
| AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 13650000 |
| AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 13652000 |
| AIR | .07J | 1.95021 | 1716 | 1.9945 | 63 | 1138 13654000 |
| AIR | .51 | 2.14832 | 400 | .46548 | 65 | 1201 13656000 |
| AIR | | | | | 63 | 1138 13658000 |
| AIR | | | | | 65 | 1198 13660000 |

RÖME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 261 JUCTS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER 90 CONF LIMIT

PART POPU- LATION

PART HOURS

YR OF DATA

CROSS INDEX

RPT PAGE REF NO

261 N.O.C.

| | | | | | | | | |
|---|-----|---------|---------|------|--------|----|------|----------|
| BLEED-AIR-SYSTEM | AIR | 2.69697 | 7.17678 | 1440 | .7419 | 65 | 1227 | 13662000 |
| COMPENSATOR-BLEED-AIR-SYS-AIR-CONDITIONER | AIR | 2.58325 | 5.53383 | 1938 | 1.676 | 63 | 1114 | 13664000 |
| SUPPLY-AUXILIARY-POWER-UNIT. | AIR | 4.05185 | 15.7605 | 456 | .2468 | 66 | 1250 | 13666000 |
| BLEED-AIR-SYSTEM | AIR | 4.85908 | 8.52939 | 2280 | 1.2348 | 66 | 1250 | 13668000 |
| MANIFOLD, I-D-BLEED, PNEUMATIC-SYSTEM | AIR | 5.05665 | 19.6687 | 384 | .19776 | 65 | 1227 | 13670000 |
| VORTEX-DESTROYER, PNEUMATIC-SYSTEM | AIR | 6.07904 | 16.1772 | 608 | .329 | 66 | 1250 | 13672000 |
| COMPENSATOR-BLEED-AIR-SYS-AIR-CONDITIONER | AIR | 6.22071 | 8.83025 | 950 | 2.4113 | 65 | 1198 | 13674000 |
| EXHAUST, PNEUMATIC, ATM, AUX-POWER-PLANT | AIR | 7.8796 | 30.6492 | 50 | .12691 | 65 | 1198 | 13676000 |
| EMPENNAGE, ANTI-ICE/DE-ICE-SYSTEMS | AIR | 7.8796 | 30.6492 | 50 | .12691 | 65 | 1198 | 13678000 |
| OUTLET, TURBINE, AIR-COND, CARGO-COMPT | AIR | 7.8796 | 30.6492 | 50 | .12691 | 65 | 1198 | 13680000 |
| RECIRCULATING, UPPER, AIR-COND, CARGO-COMPARTMENT | AIR | 8.59328 | 33.4252 | 100 | .11637 | 64 | 1198 | 13682000 |
| COMPENSATOR-BLEED-AIR-SYS-AIR-CONDITIONER | AIR | 8.59328 | 33.4252 | 100 | .11637 | 65 | 1198 | 13684000 |
| INTAKE, OIL-COOLER, TURBOPROP-PWR-PLT | AIR | 8.84642 | 19.7004 | 200 | .33912 | 63 | 1199 | 13686000 |
| INTAKE, OIL-COOLER, TURBOPROP-PWR-PLT | AIR | 10.0334 | 22.3438 | 200 | .299 | 65 | 1198 | 13688000 |
| BELLOWS, ALTERNATE-COOLING, PNEU-SYS | AIR | 10.1132 | 39.3375 | 192 | .09888 | 65 | 1227 | 13690000 |
| EMPENNAGE, ANTI-ICE/DE-ICE-SYSTEMS | AIR | 11.3635 | 44.2011 | 102 | .088 | 63 | 1114 | 13692000 |
| OUTLET, TURBINE, AIR-COND, CARGO-COMPT | AIR | 11.3636 | 44.2011 | 102 | .088 | 63 | 1114 | 13694000 |
| RADOME, ANTI-ICE/DE-ICE-SYSTEMS | AIR | 11.4577 | 22.8965 | 300 | .34911 | 65 | 1198 | 13696000 |
| AIR-SCROOP, AIR-CONDITIONER, FLIGHT-DECK | AIR | 11.7952 | 45.8799 | 50 | .08478 | 63 | 1198 | 13698000 |
| INTAKE, AIR-INDUCTION, TURBOPROP-POWER-PLANT | AIR | 11.7952 | 23.5714 | 200 | .33912 | 65 | 1198 | 13700000 |
| OUTLET, FLOW-CONTROL-VALVE. | AIR | 12.1565 | 47.2854 | 152 | .08226 | 66 | 1250 | 13702000 |
| AIR-CONDITION-SYSTEM | AIR | 12.1565 | 47.2854 | 152 | .08226 | 66 | 1250 | 13704000 |
| MANIFOLD, I-D-BLEED, PNEUMATIC-SYSTEM | AIR | 12.1565 | 24.2965 | 608 | .329 | 66 | 1250 | 13706000 |
| AIR-SCROOP, AIR-CONDITIONER, FLIGHT-DECK | AIR | 13.3333 | 51.8626 | 50 | .075 | 63 | 1114 | 13708000 |
| INTAKE, AIR-INDUCTION, TURBOPROP-POWER-PLANT | AIR | 13.3779 | 26.7342 | 200 | .299 | 65 | 1198 | 13710000 |
| SHROUD, ALTERNATE-COOLING, PNEU-SYSTEM | AIR | 15.1679 | 33.7823 | 384 | .19776 | 65 | 1227 | 13712000 |
| INLET, PHE, AIR-COND-SYSTEM | AIR | 20.2265 | 78.6751 | 96 | .04944 | 65 | 1227 | 13714000 |
| JET-PUMP, ASRLV, AIR-COND-SYSTEM | AIR | 20.2265 | 78.6751 | 96 | .04944 | 65 | 1227 | 13716000 |
| ACOUSTICAL-MIXING-CHAMBER, AIR-COND-SYSTEM | AIR | 20.2265 | 78.6751 | 96 | .04944 | 65 | 1227 | 13718000 |
| SURROUD, ALTERNATE-COOLING, PNEUMATIC-SYSTEM | AIR | 21.2765 | 35.7778 | 608 | .329 | 66 | 1250 | 13720000 |
| ENGINE-DIFFUSER-CASE/BLEED-SYSTEM | AIR | 23.3726 | 62.1982 | 152 | .08557 | 63 | 1123 | 13722000 |
| OUTLET, PHE, AIR-CONDITION-SYSTEM | AIR | 24.3131 | 64.7009 | 152 | .08226 | 66 | 1250 | 13724000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

MEMELICTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 281 DUCTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 95 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------|-----------|--|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| | | | | | | | | | |
| | | PREHEAT-PNEUMATIC-SYSTEM | AIR | 24.3161 | 48.593 | 304 | .1645 | 66 | 1250 13726000 |
| | | AIR-SCOP-AIR-CONDITIONER-CARGO-COMPARTMENT | AIR | 25.7798 | 57.4099 | 100 | .11637 | 65 | 1198 13728000 |
| | | DEFROSTING-WINDSHIELD | AIR | 26.2536 | 58.465 | 473 | .11427 | 65 | 1228 13730000 |
| | | STARTER-REDUCTION-GEAR-SYSTEM | AIR | 26.5392 | 51.8907 | 200 | .33912 | 63 | 1198 13732000 |
| | | EXHAUST-PNEUMATIC-ATM-AUX-POWER-PLANT | AIR | 26.6666 | 70.964 | 50 | .075 | 63 | 1114 13734000 |
| | | STARTER-REDUCTION-GEAR-SYSTEM | AIR | 26.7559 | 43.4605 | 200 | .299 | 63 | 1114 13736000 |
| | | OIL-COOLER-GTC-AUX-POWER-PLANT | AIR | 31.5183 | 62.9859 | 50 | .12691 | 65 | 1198 13738000 |
| | | OIL-COOLER | AIR | 33.8791 | 75.4466 | 50 | .01155 | 63 | 1123 13740000 |
| | | STARTER-REDUCTION-GEAR-SYSTEM | AIR | 33.9943 | 50.3726 | 408 | .353 | 63 | 1114 13742000 |
| | | LMPENAGE-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 34.3731 | 68.6908 | 100 | .11637 | 65 | 1198 13744000 |
| | | DEFROSTING-AIR-CONDITIONER-FLIGHT-DECK | AIR | 35.3857 | 78.8016 | 50 | .08478 | 63 | 1198 13746000 |
| | | STARTER-REDUCTION-GEAR-SYSTEM | AIR | 35.4588 | 46.7683 | 200 | .50753 | 65 | 1198 13748000 |
| | | DEFROSTING-AIR-CONDITIONER-FLIGHT-DECK | AIR | 40 | 89.0773 | 50 | .075 | 63 | 1114 13750000 |
| | | WING-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 42.9064 | 79.7 | 100 | .11637 | 65 | 1198 13752000 |
| | | AIR-SCOP-JET-ENGINE-AFTERBURNER | AIR | 44.8296 | 70.7611 | 50 | .29075 | 63 | 1123 13754000 |
| | | RECIRCULATING-LOWER-AIR-COND-CARGO-COMPARTMENT | AIR | 45.4545 | 90.8357 | 102 | .088 | 63 | 1114 13756000 |
| | | OIL-COOLER-GTC-AUX-POWER-PLANT | AIR | 45.4545 | 90.8357 | 102 | .088 | 63 | 1114 13758000 |
| | | OUTLET-TURBINE-AIR-COND-CARGO-COMPT | AIR | 47.1809 | 94.2857 | 50 | .08478 | 63 | 1198 13760000 |
| | | EXHAUST-PNEUMATIC-ATM-AUX-POWER-PLANT | AIR | 47.1809 | 94.2657 | 50 | .01478 | 63 | 1196 13762000 |
| | | RECIRCULATING-UPPER-AIR-COND-CARGO-COMPARTMENT | AIR | 47.2775 | 82.9887 | 50 | .12691 | 65 | 1198 13764000 |
| | | DISTRIBUTION-AIR-CONDITION-SYSTEM | AIR | 48.6263 | 129.401 | 76 | .04113 | 66 | 1250 13766000 |
| | | JET-PUMP-ASSEMBLY | AIR | 48.6263 | 97.1742 | 152 | .08226 | 66 | 1250 13768000 |
| | | AIR-CONDITION-SYSTEM | AIR | 53.3333 | 106.58 | 50 | .075 | 63 | 1114 13770000 |
| | | OUTLET-TURBINE-AIR-COND-CARGO-COMPT | AIR | 53.3333 | 106.58 | 50 | .075 | 63 | 1114 13772000 |
| | | RECIRCULATING-JET-PUMP-AIR-COND-CARGO | AIR | 57.0365 | 105.803 | 406 | .08766 | 64 | 1179 13774000 |
| | | DEFROSTING-WINDSHIELD | AIR | 62.8272 | 110.283 | 248 | .0955 | 63 | 1111 13776000 |
| | | COMPRESSOR-BLEED | AIR | 66.6666 | 123.662 | 50 | .075 | 63 | 1114 13778000 |
| | | AIR-SCOP-AIR-CONDITIONER-CARGO-COMPARTMENT | AIR | 66.6666 | 259.313 | 68 | .015 | 63 | 1114 13780000 |
| | | BLEED-AIR-SYS-AIR-CONDITIONER | AIR | 66.6666 | 259.313 | 68 | .015 | 63 | 1114 13782000 |
| | | WING-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 66.6666 | 123.662 | 50 | .075 | 63 | 1114 13784000 |
| | | RECIRCULATING-LOWER-AIR-COND-CARGO-COMPARTMENT | AIR | 70.7714 | 124.228 | 50 | .08478 | 63 | 1198 13786000 |
| | | RECIRCULATING-JET-PUMP-AIR-COND-CARGO | AIR | 70.7714 | 124.228 | 50 | .08478 | 63 | 1198 13788000 |
| | | RECIRCULATING-LOWER-AIR-COND-CARGO-COMPARTMENT | AIR | | | | | | |

002 N.O.C.

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 281 DUCTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|--|-----------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|----------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| 000 N.O.C. | | | | | | | | | |
| BLEED-AIR-SYS-AIR-CONDITIONER | | | AIR | 77.3395 | 122.076 | 100 | .11637 | 65 | 1198 13790000 |
| AIR-SCOOP-AIR-CONDITIONER-CARGO COMPARTMENT | | | AIR | 82.5666 | 138.84 | 50 | .08478 | 63 | 1198 13792000 |
| MANIFOLD-AIR-CONDITIONING-SYSTEM | | | AIR | 83.752 | 325.77 | 31 | .01194 | 63 | 1111 13794000 |
| OIL-COOLER-GIC-AUX-POWER-PLANT | | | AIR | 93.3333 | 156.945 | 50 | .075 | 63 | 1114 13796000 |
| OIL-COOLER-GIC-AUX-POWER-PLANT | | | AIR | 94.3618 | 153.275 | 50 | .08478 | 63 | 1198 13798000 |
| WING-ANTI-ICE/DE-ICE-SYSTEMS | | | AIR | 102.272 | 161.431 | 102 | .088 | 63 | 1114 13800000 |
| EMPELLAGE-ANTI-ICE/DE-ICE-SYSTEMS | | | AIR | 106.157 | 167.563 | 50 | .08478 | 63 | 1198 13802000 |
| EMPELLAGE-ANTI-ICE/DE-ICE-SYSTEMS | | | AIR | 106.666 | 173.262 | 50 | .075 | 63 | 1114 13804000 |
| DEFROSTING-CANOPY | | | AIR | 118.141 | 152.967 | 946 | .22854 | 65 | 1228 13806000 |
| DEFROSTING-AIR-CONDITIONER-FLIGHT-DECK | | | AIR | 141.832 | 195.069 | 50 | .12691 | 65 | 1198 13808000 |
| STARTER-PNEUMATIC-SYSTEM | | | AIR | 145.896 | 151.997 | 304 | .1645 | 66 | 1259 13810000A |
| STARTER-PNEUMATIC-SYSTEM | | | AIR | 151.599 | 215.335 | 192 | .09888 | 65 | 1227 13812000 |
| DEFROSTING-CANOPY | | | AIR | 159.707 | 205.794 | 812 | .17532 | 64 | 1179 13814000 |
| DEFROSTING-AIR-CONDITIONER-FLIGHT-DECK | | | AIR | 170.454 | 241.959 | 102 | .088 | 63 | 1114 13816000 |
| WING-ANTI-ICE/DE-ICE-SYSTEMS | | | AIR | 189.11 | 248.865 | 50 | .12691 | 65 | 1198 13818000 |
| STARTER | | | AIR | 198.952 | 271.23 | 248 | .0955 | 63 | 1111 13820000 |
| ANTI-ICE-ENGINE | | | AIR | 251.256 | 559.53 | 31 | .01194 | 63 | 1111 13822000 |
| FLOW-LIMITER-O-D-PNEUMATIC-SYSTEM | | | AIR | 273.058 | 353.552 | 192 | .09888 | 65 | 1227 13824000 |
| AIR-SCOOP-AIR-CONDITIONER-CARGO-COMPARTMENT | | | AIR | 318.181 | 405.999 | 102 | .388 | 63 | 1114 13826000 |
| AIR-CONDITIONING-CABIN | | | AIR | 333.333 | 742.311 | 32 | .009 | 59 | 1110 13828000 |
| AIR-SCOOP-AIR-CONDITIONER-CARGO-COMPARTMENT | | | AIR | 338.822 | 415.144 | 50 | .12691 | 65 | 1198 13830000 |
| EXHAUST-ENGINE-1200F-300T/SEC | | | HELI | 366.666 | 553.271 | 120 | .03 | 65 | 1215 13832000 |
| AIR-CONDITIONER | | | AIR | 418.76 | 776.775 | 31 | .01194 | 63 | 1111 13834000 |
| COMPRESSOR-BLEED-ENGINE | | | AIR | 444.444 | 721.927 | 64 | .018 | 59 | 1110 13836000 |
| COMPENSATOR-BLEED-AIR-SYS-AIR-CONDITIONER | | | AIR | 506.666 | 629.156 | 50 | .075 | 63 | 1114 13838000 |
| RECIRCULATING-UPPER-AIR-COND-CARGO-COMPARTMENT | | | AIR | 530.785 | 647.298 | 50 | .03478 | 63 | 1198 13840000 |
| COMPENSATOR-BLEED-AIR-SYS-AIR-CONDITIONER | | | AIR | 566.171 | 685.981 | 50 | .08478 | 63 | 1198 13842000 |
| RECIRCULATING-LOWER-AIR-COND-CARGO-COMPARTMENT | | | AIR | 586.666 | 77.1 | 50 | .075 | 63 | 1114 13844000 |
| AIR-CONDITIONING-SYSTEM | | | AIR | 588.928 | 634.538 | 597 | .51789 | 67 | 1272 13846000 |
| EXHAUST-AIR-CONDITIONING-SYSTEM | | | AIR | 837.52 | 1290.33 | 31 | .01194 | 63 | 1111 13848000 |
| BLEED-AIR-SYS-AIR-CONDITIONER | | | AIR | 965.909 | 1114.52 | 102 | .088 | 63 | 1114 13850000 |
| BLEED-AIR-SYS-AIR-CONDITIONER | | | AIR | 1000.7 | 1124.35 | 50 | .12691 | 65 | 1198 13852000 |
| WING-ANTI-ICE/DE-ICE-SYSTEMS | | | AIR | 1049.77 | 1207.26 | 50 | .08478 | 63 | 1198 13854000 |
| WING-ANTI-ICE/DE-ICE-SYSTEMS | | | AIR | 1120 | 1293.44 | 50 | .075 | 63 | 1114 13856000 |
| PED/STRUT-PNEUMATIC-PRESSURE-SUPPLY | | | AIR | 1675.04 | 2255.08 | 31 | .01194 | 63 | 1111 13858000 |
| BLEED-AIR-SYS-AIR-CONDITIONER | | | AIR | 4140.12 | 4437.93 | 50 | .08478 | 63 | 1198 13860000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 201 DUCTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER SC CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|---------------------------|-----------|------------------------------------|-------------|--------------|---------------------|-----------------|------------|-----------------|----------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE REF NO | |
| ACOUSTICAL-MIXING-CHAMBER | | | | | | | | | |
| AIR | | BLEED-AIR-SYS-AIR-CONDITIONER | AIR | 4413.33 | 4740.72 | 50 | .075 | 63 | 1114 13862000 |
| AIR | | AIR-CONDITIONING-SYSTEM | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 13864000A |
| AIR | | OIL-COOL-SYSTEM | HELI | 78.9265 | 307 | 40 | .01267 | 66 | 1257 13666000 |
| AIR | | GENERATOR-DRIVE-SYSTEM | AIR | 83.7696 | 167.404 | 124 | .04775 | 63 | 1111 13868000 |
| AIR | | OIL-COOL-SYSTEM | HELI | 289.017 | 445.278 | 40 | .0346 | 66 | 1257 13870000 |
| ANTI-ICING | | NACELLE-PNEUMATIC-SYSTEM | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 13872000A |
| ANTI-ICING | | ENGINE-PNEUMATIC-SYSTEM | AIR | 4.5268 | 10.7848 | 912 | .4535 | 66 | 1250 13874000 |
| CELLS | | ALTERNATE-COOLING-PNEUMATIC-SYSTEM | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 13876000A |
| REFUELLING | | ENGINE-NACELLE | AIR | 5.05663 | 19.6687 | 384 | .19776 | 65 | 1227 13878000 |
| REFUELLING | | ENGINE-NACELLE | AIR | 6.07902 | 16.1772 | 608 | .329 | 66 | 1250 13880000 |
| BLEED-AIR | | Y-BOUNDARY-LAYER-CONTROL | AIR | 36.6166 | 81.5427 | | .08193 | 66 | 1241 13882000 |
| BLEED-AIR | | TRAIL-EDGE-BOUNDARY-LAYER-CONTROL | AIR | 42.0243 | 51.5184 | | .09242 | 66 | 1241 13884000 |
| BLEED-AIR | | PNEUMATIC-GAS-TURBINE-COMPRESSOR | AIR | 51.5596 | 76.4009 | 200 | .23274 | 65 | 1198 13886000 |
| BLEED-AIR | | AUX-POWER-PLANT | | | | | | | |
| BLEED-AIR | | PNEUMATIC-GAS-TURBINE-COMPRESSOR | AIR | 129.032 | 257.856 | 136 | .031 | 63 | 1114 13888000 |
| BLEED-AIR | | AUX-POWER-PLANT | | | | | | | |
| BLEED-AIR | | PNEUMATIC-GAS-TURBINE-COMPRESSOR | AIR | 330.266 | 425.571 | 50 | .08478 | 63 | 1198 13890000 |
| BLEED-AIR | | AUX-POWER-PLANT | | | | | | | |
| BLEED-AIR | | PNEUMATIC-GAS-TURBINE-COMPRESSOR | AIR | 360 | 466.123 | 50 | .075 | 63 | 1114 13892000 |
| BLEED-AIR | | AUX-POWER-PLANT | | | | | | | |
| BLEED-AIR | | PNEUMATIC-GAS-TURBINE-COMPRESSOR | AIR | 646.127 | 747.525 | 50 | .12691 | 65 | 1198 13894000 |
| BLEED-AIR | | AUX-POWER-PLANT | | | | | | | |
| BLEED-AIR | | PNEUMATIC-GAS-TURBINE-COMPRESSOR | AIR | 681.818 | 809.079 | 102 | .088 | 63 | 1114 13896000 |
| BLEED-AIR | | AUX-POWER-PLANT | | | | | | | |
| BLEED-AIR | | ENGINE-OUTLET-PORT | AIR | * | 46.3393 | | .04569 | 63 | 1123 13898000 |
| BLEED-AIR | | AIR-CONDITIONER-FLIGHT-DECK | AIR | * | 6.59562 | 300 | .34911 | 65 | 1196 13900000 |
| BLEED-AIR | | PNEUMATIC-ENGINE | AIR | 6.44489 | 11.313 | 800 | .93097 | 65 | 1198 13902000 |
| BLEED-AIR | | PNEUMATIC-ATM-AUX-POWER-PLANT | AIR | 8.59328 | 33.4252 | 100 | .11637 | 65 | 1198 13904000 |
| BLEED-AIR | | LEAD-EDGE-BOUNDARY-LAYER-CONTROL | AIR | 18.0104 | 24.7706 | | .99942 | 56 | 1241 13906000 |
| BLEED-AIR | | AIR-CONDITIONER-FLIGHT-DECK | AIR | 23.6387 | 52.642 | 50 | .12691 | 65 | 1198 13908000 |
| BLEED-AIR | | AIR-CONDITIONER-FLIGHT-DECK | AIR | 34.0909 | 75.9181 | 102 | .088 | 63 | 1114 13910000 |
| BLEED-AIR | | PNEUMATIC-ATM-AUX-POWER-PLANT | AIR | 34.0909 | 75.9181 | 102 | .088 | 63 | 1114 13912000 |
| BLEED-AIR | | FUSELAGE-AFT-CENTER-SECTION | AIR | 34.2231 | 60.9735 | 812 | .17532 | 64 | 1179 13914000 |
| BLEED-AIR | | PNEUMATIC-ATM-AUX-POWER-PLANT | AIR | 39.3979 | 73.0809 | 50 | .12691 | 65 | 1198 13916000 |
| BLEED-AIR | | AIR-CONDITIONER-FLIGHT-DECK | AIR | 47.1809 | 94.2857 | 50 | .08478 | 63 | 1198 13918000 |
| BLEED-AIR | | ATM-CONDITIONER-FLIGHT-DECK | AIR | 53.3333 | 106.58 | 50 | .075 | 63 | 1114 13920000 |
| BLEED-AIR | | FUSELAGE-AFT-CENTER-SECTION | AIR | 56.8828 | 82.9524 | 946 | .22854 | 65 | 1228 13922000 |
| BLEED-AIR | | PNEUMATIC-ATM-AUX-POWER-PLANT | AIR | 82.5666 | 138.84 | 50 | .08478 | 63 | 1198 13924000 |
| BLEED-AIR | | PNEUMATIC-ATM-AUX-POWER-PLANT | AIR | 93.3333 | 156.945 | 50 | .075 | 63 | 1114 13926000 |
| BLEED-AIR | | ENGINE-BOUNDARY-LAYER-CONTROL | AIR | 170.877 | 245.073 | | .08193 | 66 | 1241 13928000 |
| BLEED-AIR | | FUSELAGE-AFT-CENTER-SECTION | AIR | 251.037 | 272.189 | 1194 | 1.0357 | 67 | 1272 13930000 |
| COOLING | | Y-AIR-EXCHANGE-PNEUMATIC-SYSTEM | AIR | * | 53.1472 | 48 | .04472 | 65 | 1227 13932000 |
| COOLING | | AUXILIARY-POWER-UNIT | | | | | | | |
| COOLING | | AIR-EXCHANGE-PNEUMATIC-SYS-APU | AIR | * | 46.5736 | 36 | .04944 | 65 | 1227 13934000 |
| COOLING | | AIR-CONDITIONING-SYSTEM | AIR | * | 192.847 | 31 | .01194 | 63 | 1111 13936000 |

... N.O.C.

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 281 DUCTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA RPT SRCE | CROSS INDEX REF NO |
|----------------------|-----------|------------------------------------|-------------|--------------|---------------------|-----------------|------------|---------------------|--------------------|
| COOLING | | ZONE-2-PNEUMATIC-SYSTEM | AIR | * | 11.6434 | 384 | .19776 | 65 | 1227 13938000 |
| COOLING | | GENERATOR-TURBOPROP-POWER-PLANT | AIR | * | 4.53598 | 200 | .50763 | 65 | 1198 13940000 |
| COOLING | | ZONE-2-PNEUMATIC-SYSTEM | AIR | 3.03951 | 11.8227 | 608 | .329 | 66 | 1250 13942000 |
| COOLING | | GENERATOR-TURBOPROP-POWER-PLANT | AIR | 4.29664 | 11.434 | 400 | .46548 | 65 | 1198 13944000 |
| COOLING | | SCOOP-CUICT-DISCONNECT-AFTERBURNER | AIR | 7.30833 | 28.4272 | 152 | .13683 | 63 | 1123 13946000 |
| COOLING | | ELECTRICAL-COOL-SYSTEM | AIR | 12.1565 | 47.2854 | 152 | .08226 | 66 | 1250 13948000A |
| COOLING | | ELECTRONIC-COOL-SYSTEM | AIR | 16.2074 | 32.3887 | 456 | .2468 | 66 | 1250 13950000 |
| COOLING | | ELECTRICAL-COOL-SYSTEM | AIR | 20.2265 | 45.0431 | 288 | .14832 | 65 | 1227 13952000 |
| COOLING | | GENERATOR-TURBOPROP-POWER-PLANT | AIR | 20.2265 | 78.6751 | 96 | .04944 | 65 | 1227 13954000 |
| COOLING | | GENERATOR-TURBOPROP-POWER-PLANT | AIR | 50.1672 | 71.212 | 200 | .299 | 63 | 1114 13956000 |
| COOLING | | GENERATOR-TURBOPROP-POWER-PLANT | AIR | 56.0273 | 75.3816 | 200 | .33912 | 63 | 1198 13958000 |
| COOLING | | KAN-AIR | AIR | 83.752 | 325.77 | 31 | .01194 | 63 | 1111 13960000 |
| COOLING | | OIL-SYSTEM | AIR | 418.84 | 517.174 | 248 | .0955 | 63 | 1111 13962000 |
| COOLING-AIR | | ENGINE-POWER-PLANT-SYSTEM | AIR | 778.909 | 1135.88 | 64 | .01669 | 66 | 1225 13964000 |
| COOLING-AIR | | PNEUMATIC-SYS-APU | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 13966000 |
| COOLING-AIR | | ENGINE-COMPARTMENT | AIR | * | 11.5859 | 76 | .19874 | 63 | 1123 13968000 |
| COOLING-AIR | | PNEUMATIC-SYSTEM | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 13970000 |
| COOLING-AIR | | AUXILIARY-POWER-UNIT | AIR | * | 93.335 | 102 | .09937 | 63 | 1123 13972000 |
| COOLING-AIR | | AFT-SECTION | AIR | 50.3169 | 294.347 | 102 | .086 | 63 | 1114 13974000 |
| COOLING-AIR | | PNEUMATIC-ATM-AUX-POWER-PLANT | AIR | 215.909 | 481.066 | 50 | .075 | 63 | 1114 13976000 |
| COOLING-AIR | | PNEUMATIC-ATM-AUX-POWER-PLANT | AIR | 373.333 | 325.77 | 31 | .01194 | 63 | 1111 13978000 |
| COOLING-AIR-EXHAUST | | PNEUMATIC-SYSTEM | AIR | 83.752 | 27.9917 | 152 | .08226 | 66 | 1250 13980000 |
| COOLING-AIR-EXCHANGE | | AUXILIARY-POWER-UNIT | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 13982000A |
| COOLING-AIR | | AUXILIARY-POWER-UNIT | AIR | * | 55.8335 | 200 | .23274 | 65 | 1198 13984000 |
| COOLING-AIR | | PNEUMATIC-ATM-AUX-POWER-PLANT | AIR | 34.3731 | 293.109 | 50 | .12691 | 65 | 1198 13986000 |
| COOLING-AIR | | PNEUMATIC-ATM-AUX-POWER-PLANT | AIR | 228.508 | 517.475 | 50 | .08478 | 63 | 1198 13988000 |
| COOLING | | PNEUMATIC-ATM-AUX-POWER-PLANT | AIR | 412.833 | 194.348 | 76 | .04113 | 66 | 1250 13990000A |
| COOLING | | AIR-CONDITION-SYSTEM | AIR | 97.2326 | 375.19 | 48 | .02472 | 65 | 1227 13992000 |
| COOLING | | AIR-CONDITION-SYSTEM | AIR | 202.265 | 46.5736 | 96 | .04944 | 65 | 1227 13994000 |
| CROSSOVER | | PYLON-178-BLEED-AIR-SYSTEM | AIR | * | 192.847 | 31 | .01194 | 63 | 1111 13996000 |
| CROSSOVER | | PNEUMATIC-PRESSURE-SUPPLY | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 13998000 |
| CROSSOVER | | PYLON-678-BLEED-AIR-SYSTEM | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 13998000 |
| DEFROSTING | | WINDSHIELD | AIR | 59.8582 | 76.1355 | 597 | .51789 | 67 | 1272 14002000 |
| DEFROSTING | | CANOPY | AIR | 216.278 | 3.99895 | 1064 | 1.0357 | 67 | 1272 14002000 |
| DIFFUSER | | WING-ANTI-ICE-SYSTEM | AIR | * | 6.65337 | 672 | .34608 | 66 | 1250 14004000 |
| DISTRIBUTION | | WING-ANTI-ICE-SYSTEM | AIR | * | 1.31908 | 1500 | 1.7456 | 65 | 1198 14006000 |
| DISTRIBUTION | | FLOOR-HEAT-AIR-COND-CARGO | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 14010000 |
| DISTRIBUTION | | MUFFLER-ASSEMBLY-AIR-CONDITIONING | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 14012000 |
| DISTRIBUTION | | FLOOR-HEAT-SYSTEM | AIR | * | 3.37704 | 1700 | 1.9783 | 65 | 1198 14014000 |
| DISTRIBUTION | | AIR-CONDITIONER-FLIGHT-DECK | AIR | 1.51645 | 4.59764 | 2200 | 2.5602 | 65 | 1198 14016000 |
| DISTRIBUTION | | AIR-CONDITIONER-CARGO-COMPARTMENT | AIR | 2.73416 | 157.35 | 48 | .02472 | 65 | 1227 14018000 |
| DISTRIBUTION | | AIR-COND-SYSTEM | AIR | 40.433 | 119.682 | 102 | .086 | 63 | 1114 14020000 |
| DISTRIBUTION | | AIR-CONDITIONER-CARGO-COMPARTMENT | AIR | 68.1818 | | | | | |

.00 N.O.C.

RDPC AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 281 DUCTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POPULATION | PART HOURS | VR OF DATA | CROSS INDEX |
|--------------------|-----------|--------------------------------------|-------------|--------------|-------------|-----------------|------------|------------|----------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NG |
| DISTRIBUTION | | AIR-CONDITIONER, CARGO-COMPARTMENT | AIR | 70.9163 | 111.937 | 50 | .12691 | 63 | 1198 14020000 |
| DISTRIBUTION | | AIR-CONDITIONER, FLIGHT-DECK | AIR | 113.636 | 175.075 | 102 | .088 | 63 | 1114 14024000 |
| DISTRIBUTION | | AIR-CONDITIONER, FLIGHT-DECK | AIR | 118.193 | 167.775 | 50 | .12691 | 65 | 1198 14026000 |
| DISTRIBUTION | | AIR-CONDITIONER, FLIGHT-DECK | AIR | 141.542 | 209.737 | 50 | .08478 | 63 | 1198 14028000 |
| DISTRIBUTION | | AIR-CONDITIONER, FLIGHT-DECK | AIR | 146.666 | 221.308 | 50 | .075 | 63 | 1114 14030000 |
| DISTRIBUTION | | AIR-CONDITIONER, CARGO-COMPARTMENT | AIR | 332.333 | 436.132 | 50 | .075 | 63 | 1114 14032000 |
| DISTRIBUTION | | AIR-CONDITIONER, CARGO-COMPARTMENT | AIR | 342.061 | 436.765 | 50 | .08478 | 63 | 1198 14034000 |
| DISTRIBUTION | | AIR-CONDITIONER, CABIN | AIR | 542.574 | 642.005 | 473 | .11427 | 65 | 1228 14036000 |
| DISTRIBUTION | | AIR-CONDITIONER, CABIN | AIR | 593.201 | 713.181 | 406 | .08766 | 64 | 1179 14038000 |
| EJECTOR | | FLOOR-HEAT-SYSTEM | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 14040000 |
| ENGINE-BUILDUP | | TURBOJET, J-85 | AIR | 48.1316 | 72.6268 | 946 | .22834 | 65 | 1228 14042000 |
| ENGINE-BUILDUP | | TURBOJET, J-85 | AIR | 74.1501 | 108.133 | 812 | .17232 | 64 | 1179 14044000 |
| EXHAUST | | AUXILIARY-POWER-UNIT, WHEEL-WELL-P80 | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 14046000 |
| EXHAUST | | TURBINE, (57-SECOND) | GRD | * | 162.1545 | 49 | .01425 | 66 | 1245 14048000A |
| FLANGED | | FLOOR-HEAT-SYSTEM | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 14050000A |
| FLANGED | | FLOOR-HEAT-SYSTEM | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 14052000 |
| FLEXIBLE | | AIR-CONDITIONER, CARGO-COMPARTMENT | AIR | 17.1865 | 45.736 | 100 | .11637 | 65 | 1198 14054000 |
| FLEXIBLE | | AIR-CONDITIONER, FLIGHT-DECK | AIR | 22.7272 | 60.4806 | 102 | .088 | 63 | 1114 14056000 |
| FLEXIBLE | | AIR-CONDITIONER, FLIGHT-DECK | AIR | 31.5183 | 62.9839 | 50 | .12691 | 65 | 1198 14058000 |
| FLEXIBLE | | CONNECTOR, AIR-COND-SYSTEM | AIR | 40.453 | 197.35 | 48 | .02472 | 65 | 1227 14060000 |
| FLEXIBLE | | AIR-CONDITIONER, FLIGHT-DECK | AIR | 153.338 | 223.613 | 50 | .08478 | 65 | 1198 14062000 |
| FLEXIBLE | | AIR-CONDITIONER, CARGO-COMPARTMENT | AIR | 157.591 | 213.104 | 50 | .12691 | 65 | 1198 14064000 |
| FLEXIBLE | | AIR-CONDITIONER, CARGO-COMPARTMENT | AIR | 159.09 | 228.727 | 102 | .088 | 63 | 1114 14066000 |
| FLEXIBLE | | AIR-CONDITIONER, FLIGHT-DECK | AIR | 160 | 237.087 | 50 | .075 | 63 | 1114 14068000 |
| FLEXIBLE | | AIR-CONDITIONER, CARGO-COMPARTMENT | AIR | 849.256 | 592.468 | 50 | .08478 | 63 | 1198 14070000 |
| FLEXIBLE | | AIR-CONDITIONER, CARGO-COMPARTMENT | AIR | 933.333 | 1093.2 | 50 | .075 | 63 | 1114 14072000 |
| FLEXIBLE | | AIR-CONDITIONING-SYSTEM | AIR | 48.6263 | 129.401 | 76 | .04113 | 66 | 1250 14074000 |
| FLEXIBLE | | AIR-COND-CARGO-COMPARTMENT | AIR | * | 9.89344 | 200 | .23274 | 65 | 1198 14076000 |
| FLEXIBLE | | L-P-BLEED-PNEUMATIC-SYSTEM | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 14078000A |
| FLEXIBLE | | PNEUMATIC-SYSTEM | AIR | 109.422 | 150.494 | 304 | .1645 | 66 | 1250 14080000 |
| FLEXIBLE | | AIR-CONDITIONING, FLIGHT-DECK | AIR | 607.902 | 12.1462 | 1216 | .658 | 66 | 1250 14082000A |
| INSULATION-BLANKET | | AIR-CONDITIONING, FLIGHT-DECK | AIR | 17.1865 | 45.736 | 100 | .11637 | 65 | 1198 14084000 |
| INSULATION-BLANKET | | AIR-CONDITIONING, CARGO-COMPARTMENT | AIR | 39.3979 | 73.0809 | 50 | .12691 | 65 | 1198 14086000 |
| INSULATION-BLANKET | | AIR-CONDITIONING, FLIGHT-DECK | AIR | 42.9664 | 79.7 | 100 | .11637 | 65 | 1198 14088000 |
| INSULATION-BLANKET | | AIR-CONDITIONING, CARGO-COMPARTMENT | AIR | 56.8181 | 105.394 | 102 | .088 | 63 | 1114 14090000 |
| INSULATION-BLANKET | | AIR-CONDITIONING, CARGO-COMPARTMENT | AIR | 238.636 | 320.276 | 102 | .088 | 63 | 1114 14092000 |
| INSULATION-BLANKET | | AIR-CONDITIONING, CARGO-COMPARTMENT | AIR | 266.026 | 328.216 | 50 | .12691 | 65 | 1198 14094000 |
| INSULATION-BLANKET | | AIR-CONDITIONING, CARGO-COMPARTMENT | AIR | 778.485 | 916.259 | 50 | .08478 | 63 | 1198 14096000 |
| INSULATION-BLANKET | | AIR-CONDITIONING, CARGO-COMPARTMENT | AIR | 853.332 | 1006.96 | 50 | .075 | 63 | 1114 14098000 |
| INSULATION-BLANKET | | AIR-CONDITIONING, FLIGHT-DECK | AIR | 1993.39 | 2204.63 | 50 | .08478 | 63 | 1198 14100000 |
| INSULATION-BLANKET | | AIR-CONDITIONING, FLIGHT-DECK | AIR | 2253.33 | 2492.12 | 50 | .075 | 63 | 1114 14102000 |
| INSULATION-BLANKET | | AIR-CONDITIONING | AIR | 48.387 | 107.754 | 272 | .062 | 63 | 1114 14104000 |
| BLEED-AIR | | AIR-CONDITIONING | AIR | 292.171 | 367.479 | 100 | .11637 | 65 | 1198 14106000 |
| INSULATION-BLANKET | | | | | | | | | |
| BLEED-AIR | | | | | | | | | |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 221 DUCTS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER 90 CONF LIMIT

PART POPU- LATION

PART HOURS

YR. OF DATA INDEX

CROSS RPT SRCE REF NO

-OC N.O.C.

INSULATION-BLANKET.

AIR-CONDITIONING

AIR

295.454

384.504

102

.080

63

14108900

BLEED-AIR

AIR-CONDITIONING

AIR

630.367

730.651

50

.12691

65

14110000

INSULATION-BLANKET.

AIR-CONDITIONING

AIR

2111.34

2326.3

50

.08478

63

14112000

INSULATION-BLANKET.

AIR-CONDITIONING

AIR

2293.33

2534.08

50

.075

63

14114000

LEADING

AILERON-SYSTEM-FLIGHT-CONTROL

AIR

5.70385

22.1862

812

.17532

64

14116000

LOW-PRESSURE

JOINT-ASSEMBLY-AIR-CONDITION-SYSTEM

AIR

*

55.9834

76

.04113

66

14118000

PERFUMATED

ANTI-ICE-SYSTEM

AIR

83.752

325.77

31

.01194

63

14120000

PREFEAT

PNEUMATIC-SYSTEM

AIR

10.1132

39.3375

192

.09888

65

14122000

PRESSURE-COMPENSATING

BLEED-AIR-SYSTEM

AIR

*

7.99791

532

.2879

65

14124000

PRESSURE-COMPENSATING

BLEED-AIR-SYSTEM

AIR

*

13.3067

336

.17304

65

14126000

RAM-AIR

INLET-PANEL-AIR-CONDITION-SYSTEM

AIR

*

27.9917

152

.08226

66

14128000

RAM-AIR

AC-SUPPLY-SYSTEM

AIR

*

48.2219

124

.04775

63

14130000

RAM-AIR

EMERGENCY-AIR-CONDITIONING

AIR

*

192.847

31

.01194

63

14132000

RAM-AIR

AIR-INTAKE

AIR

5.70385

22.1862

812

.17532

64

14134000

RAM-AIR

AIR-INTAKE

AIR

0.7512

23.2882

946

.22854

65

14136000

RAM-AIR

AIR-INTAKE

AIR

32.828

41.2895

1194

1.0357

67

14138000

RAM-AIR/HEAT-EXCHANGER

AIR-CONDITIONING

AIR

167.504

445.753

31

.01194

63

14140000

NON-ELECTRONIC PART FAILURE RATE DATA

232-0515

FUNCTIONAL APPLICATION

| | | | | | | |
|-------|---------|---------|---------|----|------|----------|
| * AIR | 11.6434 | 384 | -19776 | 65 | 1227 | 14142000 |
| * AIR | 9.07178 | 100 | -25382 | 65 | 1198 | 14144000 |
| * AIR | 93.1472 | 48 | -02572 | 65 | 1227 | 14146000 |
| * AIR | 26.2673 | 406 | -08766 | 64 | 1179 | 14148000 |
| * AIR | 26.2374 | 106 | -08776 | 64 | 1179 | 14150000 |
| * AIR | 10.0752 | 146 | -22854 | 65 | 1228 | 14152000 |
| * AIR | 27.1597 | 30 | -08478 | 63 | 1198 | 14154000 |
| * AIR | 19.7868 | 100 | -11637 | 65 | 1198 | 14156000 |
| * AIR | 18.1435 | 50 | -12691 | 65 | 1198 | 14158000 |
| * AIR | 9.85344 | 200 | -23274 | 65 | 1198 | 14160000 |
| * AIR | 46.5736 | 96 | -04944 | 65 | 1227 | 14162000 |
| * AIR | 7.8944 | 200 | -23274 | 65 | 1198 | 14164000 |
| * AIR | 13.1336 | 812 | -17532 | 64 | 1179 | 14166000 |
| * AIR | 10.0752 | 946 | -22854 | 65 | 1228 | 14168000 |
| * AIR | 3.14955 | 1428 | -1235 | 63 | 1114 | 14170000 |
| * AIR | 1.07414 | 800 | -93097 | 65 | 1198 | 14172000 |
| * AIR | 1.12568 | 700 | -17767 | 65 | 1198 | 14174000 |
| * AIR | 2.22469 | 5.92024 | -899 | 63 | 1114 | 14176000 |
| * AIR | 2.94898 | 6.56718 | 1.0173 | 63 | 1198 | 14178000 |
| * AIR | 3.37109 | 13.1125 | -29664 | 65 | 1227 | 14180000 |
| * AIR | 3.93987 | 10.4846 | -50763 | 65 | 1198 | 14182000 |
| * AIR | 5.66572 | 15.0773 | -393 | 63 | 1114 | 14184000 |
| * AIR | 5.70385 | 22.1862 | -17532 | 64 | 1179 | 14186000 |
| * AIR | 5.89761 | 22.9399 | -16956 | 63 | 1198 | 14188000 |
| * AIR | 6.7114 | 26.1053 | -149 | 63 | 1114 | 14190000 |
| * AIR | 6.74217 | 17.9419 | -29664 | 65 | 1227 | 14192000 |
| * AIR | 11.7952 | 31.3888 | -16956 | 63 | 1198 | 14194000 |
| * AIR | 13.1268 | 29.2325 | -22954 | 65 | 1228 | 14196000 |
| * AIR | 13.4228 | 35.7201 | -149 | 63 | 1114 | 14198000 |
| * AIR | 43.756 | 81.1647 | -11427 | 65 | 1228 | 14200000 |
| * AIR | 62.8272 | 110.283 | -0955 | 63 | 1111 | 14202000 |
| * AIR | 65.634 | 93.167 | -22854 | 65 | 1228 | 14204000 |
| * AIR | 74.1501 | 108.133 | -17532 | 64 | 1179 | 14206000 |
| * AIR | 148.77 | 206.581 | -11427 | 65 | 1228 | 14208000 |
| * AIR | 3.86212 | 7.71801 | -1.0357 | 67 | 1272 | 14210000 |
| * AIR | 8.68977 | 13.7163 | -1.0357 | 67 | 1272 | 14212000 |
| * AIR | 55.9634 | 76 | -04113 | 66 | 1250 | 14214000 |
| * AIR | 20.3063 | 60 | -329 | 66 | 1250 | 14216000 |
| * AIR | 88.8219 | 108.077 | -51789 | 67 | 1272 | 14218000 |
| * AIR | 27.9917 | 152 | -08226 | 66 | 1250 | 14220000 |
| * AIR | 79.1673 | 97.4917 | -51789 | 67 | 1272 | 14222000 |
| * AIR | 476.972 | 505.602 | -1.0357 | 67 | 1272 | 14224000 |
| * AIR | 4.05186 | 10.7826 | -4936 | 66 | 1250 | 14226000 |
| * AIR | 4.05186 | 10.7826 | -4936 | 66 | 1250 | 14228000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

MECHANICAL PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 2ND EDGE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONC LIMIT | PART POPULATION | PART HOURS | YR | CROSS DATA INDEX | SRC REF NO |
|-------------------|----------|-------------------------------|-------------|--------------|---------------------|-----------------|------------|----|------------------|------------|
| PART DESCRIPTION | | | | | | | | | | |
| LEADING-WING-FLAP | | | | | | | | | | |
| TRAILING | | FLIGHT-CONTROL | AIR | 6.75871 | 11.3651 | 1194 | 1.0351 | 67 | 1272 | 14230000 |
| TRAILING | | STABILIZER-VERTICAL-EMPELLAGE | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 14230000 |
| TRAILING | | WING-FLAP | AIR | * | 1.89344 | 200 | .23274 | 65 | 1198 | 14230000 |
| TRAILING | | WING-FLAP-FLIGHT-CONTROL | AIR | * | 13.1336 | 812 | .17532 | 54 | 1179 | 14230000 |
| TRAILING | | CONTROL-ELEVATOR-ASSEMBLY | AIR | * | 5.89344 | 200 | .23274 | 65 | 1198 | 14230000 |
| TRAILING | | ELEVATOR-CONTROL-SYSTEM | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 | 14240000 |
| TRAILING | | WING-INBOARD | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 | 14240000 |
| TRAILING | | WING-OUTER | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 | 14240000 |
| TRAILING | | WING-OUTBOARD | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 | 14240000 |
| TRAILING | | INBOARD-WING-FLAP-ASSEMBLY | AIR | * | 5.89344 | 200 | .23274 | 65 | 1198 | 14240000 |
| TRAILING | | AILERON-SYSTEM-FLIGHT-CONTROL | AIR | * | 10.6752 | 946 | .22854 | 65 | 1228 | 14250000 |
| TRAILING | | WING-FLAP-SYSTEM | AIR | * | 11.6434 | 384 | .19776 | 65 | 1227 | 14250000 |
| TRAILING | | PUYON-WING | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 | 14250000 |
| TRAILING | | RUDER-FLIGHT-CONTROL | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 | 14250000 |
| TRAILING | | INBOARD-WING-FLAP-ASSEMBLY | AIR | * | 9.07178 | 100 | .25382 | 65 | 1198 | 14250000 |
| TRAILING | | AILERON-FLIGHT-CONTROL | AIR | * | 4.94672 | 400 | .46548 | 65 | 1198 | 14260000 |
| TRAILING | | OUTBOARD-WING-FLAP-ASSEMBLY | AIR | * | 9.07178 | 100 | .25382 | 65 | 1198 | 14260000 |
| TRAILING | | AILERON-CONTROL-SYSTEM | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 | 14260000 |
| TRAILING | | OUTBOARD-WING-FLAP-ASSEMBLY | AIR | * | 5.89344 | 200 | .23274 | 65 | 1198 | 14260000 |
| TRAILING | | AILERON-SYSTEM-FLIGHT-CONTROL | AIR | 5.70385 | 22.1862 | 812 | .17532 | 64 | 1179 | 14260000 |
| TRAILING | | WING-FLAP-FLIGHT-CONTROL | AIR | 8.7512 | 23.2882 | 946 | .22854 | 65 | 1228 | 14270000 |
| TRAILING | | INBOARD-WING-FLAP-ASSEMBLY | AIR | 11.7002 | 31.3888 | 100 | .16954 | 63 | 1198 | 14272000 |
| TRAILING | | INBOARD-WING-FLAP-ASSEMBLY | AIR | 13. | 35.7281 | 100 | .149 | 63 | 1114 | 14274000 |
| TRAILING | | STABILIZER-HORIZONTAL | AIR | 17.51 | 46.5765 | 473 | .11427 | 65 | 1215 | 14276000 |
| TRAILING | | STABILIZER-HORIZONTAL | AIR | 23.8127 | 91.8465 | 50 | .04235 | 64 | 1179 | 14278000 |
| TRAILING | | OUTBOARD-WING-FLAP-ASSEMBLY | AIR | 34.2331 | 76.2126 | 406 | .08766 | 64 | 1179 | 14280000 |
| TRAILING | | OUTBOARD-WING-FLAP-ASSEMBLY | AIR | 93.9591 | 135.087 | 100 | .149 | 63 | 1114 | 14280000 |
| TRAILING | | OUTBOARD-WING-FLAP-ASSEMBLY | AIR | 94.3618 | 132.41 | 100 | .16954 | 63 | 1198 | 14284000 |
| TRAILING | | OUTBOARD-WING-FLAP-ASSEMBLY | AIR | 12.1561 | 47.2854 | 152 | .05224 | 66 | 1250 | 14286000 |
| TRAILING | | ELEVATOR-CONTROL-SYSTEM | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 | 14288000 |
| TRAILING | | AILERON-CONTROL-SYSTEM | AIR | 9.6593 | 14.9735 | 1194 | 1.0357 | 67 | 1272 | 14290000 |
| TRAILING | | FLIGHT-CONTROL | AIR | 6.07002 | 21.6455 | 304 | .1645 | 56 | 1250 | 14290000 |
| TRAILING | | FLIGHT-CONTROL | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 | 14294000 |
| TRAILING | | FLIGHT-CONTROL | AIR | 92.6837 | 112.797 | 597 | .51789 | 67 | 1272 | 14296000 |
| TRAILING | | EMPELLAGE | AIR | * | 55.9934 | 76 | .04113 | 60 | 1250 | 14298000 |
| TRAILING | | FLIGHT-CONTROL | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 | 14300000 |
| TRAILING | | FLIGHT-CONTROL | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 | 14300000 |
| TRAILING | | FLIGHT-CONTROL | AIR | 16.414 | 22.7924 | 1194 | 1.0357 | 67 | 1272 | 14304000 |
| TRAILING | | FLIGHT-CONTROL | AIR | * | 6.99878 | 608 | .329 | 66 | 1250 | 14306000 |

U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

[illegible]

NATIONAL APPLICATION

—

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY : 363

[illegible]

NON-ELECTRONIC PART FAILURE RATE DATA

PART CLASS 212 ELECTRONICS
PART DESCRIPTION FUNCTIONAL APPLICATION

2000

| | | | | | | | | | |
|-------------------------------------|-----|------|---------|---------|------|--------|----|------|-----------|
| R/H-CONTROL-SYSTEM | AIR | * | | 18-1435 | 50 | .12691 | 65 | 1190 | 143764000 |
| PUMP-MAIN-FUEL-DISTRIBUTION-SYSTEM | AIR | | 36.4741 | 54.0472 | 608 | .329 | 66 | 1250 | 143766000 |
| R/H-CONTROL-SYSTEM | AIR | | 53.3333 | 106.58 | 50 | .075 | 63 | 1114 | 143768000 |
| PUMP-AUXILIARY-EXTERNAL-REFUELLING. | AIR | | 66.8557 | 84.308 | 912 | .4936 | 60 | 1250 | 143700000 |
| SL-SYSTEM | | | | | | | | | |
| CABIN--TEMPERATURE-SENS SENSING | AIR | 100P | | | | | 66 | 2365 | 143720000 |
| CONDITIIONING.727 | | | | | | | | | |
| SINE-FIRE-WARNING | AIR | | 258309 | .575237 | | 11.614 | 65 | 2231 | 143740000 |
| SENSING | | | 231.71 | 241.594 | 4776 | 4.1431 | 67 | 1272 | 14376200A |

100

[illegible]

ROM. AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 302 ELEMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LATION | HOURS | 72 RPT SRC | CROSS INDEX REF NO |
|------------------|--------------|------------------------|-------------|--------------|---------------------|-----------------|-------------|--------|------------|--------------------|
| PART DESCRIPTION | | | | | | | | | | |
| 10 FILTERS | | | | | | | | | | |
| HYDRAULIC | | RUDDER-CONTROL-SYSTEM | AIR | 6.07902 | 27.9917 | 152 | | .08226 | 66 | 1250 14446000A |
| HYDRAULIC | | THRUST-REVERSER-SYSTEM | AIR | 12.1565 | 23.6455 | 304 | | .1645 | 66 | 1250 14448000 |
| HYDRAULIC | | AILERON-CONTROL-SYSTEM | AIR | 7.7 | 47.2854 | 152 | | .08226 | 66 | 1250 14450000A |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14452000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14454000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14456000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14458000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14460000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14462000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14464000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14466000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14468000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14470000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14472000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14474000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14476000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14478000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14480000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14482000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14484000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14486000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14488000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14490000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14492000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14494000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14496000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14498000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14500000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14502000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14504000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14506000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14508000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14510000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14512000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14514000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14516000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14518000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14520000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14522000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14524000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14526000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14528000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14530000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14532000 |
| HYDRAULIC | | HYDRAULIC-POWER-727 | AIR | | | | | | 66 | 2365 14534000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 302 ELEMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LATION HOURS | YR | CROSS OF DATA INDEX |
|------------------|--------------|--------------------------------|-------------|--------------|---------------------|-----------------|-------------------|----|---------------------|
| PART DESCRIPTION | | | | | | | | | RPT SRCE REF NO |
| .10 FILTERS | | | | | | | | | |
| SEC | | HYDRAULIC-POWER.707-3318 | AIR | 840P | | | | 66 | 2361 14536000 |
| SEC | | HYDRAULIC-POWER.331C/373C | AIR | 1000P | | | | 66 | 2365 14538000 |
| SEC | | HYDRAULIC-POWER.331C/373C | AIR | 1000P | | | | 66 | 2360 14540000 |
| SEC | | HYDRAULIC-POWER.707 | AIR | 1140P | | | | 66 | 2361 14542000 |
| SEC | | HYDRAULIC-POWER.331C/373C | AIR | 1440P | | | | 66 | 2360 14544000 |
| SEC | | HYDRAULIC-POWER.707-3318 | AIR | 1690P | | | | 65 | 2361 14546000 |
| SEC | | HYDRAULIC-POWER.707-3318 | AIR | 2100P | | | | 65 | 2362 14548000 |
| SEC | | HYDRAULIC-POWER.707-3318 | AIR | 2110P | | | | 65 | 2364 14550000 |
| VAR | | STABILITY-AUGMENTER-AUTO-PILOT | AIR | 125.509 | 147.911 | 527 | .51785 | 67 | 1272 14552000 |
| .120 HEATER | | | | | | | | | |
| | | | L/D | .02 | | | | 63 | 1138 14554000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N. Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 303 ELEVATORS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER PART | | YR | CROSS |
|------------|---------------|--------------------|------------------------|-------------|--------------|---------------|------------|----|---------------|
| | | | | | | 90 CONF LIMIT | POPULATION | | |
| -40 M-2-C- | | | | | | | | | |
| | | L/H-CONTROL-SYSTEM | | AIR | 11.7952 | 45.8199 | 50 | 63 | 1198 14536000 |
| | | CONTROL-FLIGHT | | AIR | 12.1565 | 47.2854 | 152 | 66 | 1250 14558000 |
| | | CONTROL-FLIGHT | | AIR | 12.8899 | 28.7049 | 200 | 65 | 1198 14560000 |
| | | L/H-CONTROL-SYSTEM | | AIR | 13.3333 | 51.8626 | 50 | 63 | 1114 14562000 |
| | | CONTROL-FLIGHT | | AIR | 20.2265 | 78.6751 | 96 | 65 | 1227 14564000 |
| | | CONTROL-FLIGHT | | MELI | 28.9017 | 76.9118 | 80 | 66 | 1257 14566000 |
| | | | | AIR | 42.1052 | 68.3931 | | 63 | 2123 14568000 |
| | | CONTROL-FLIGHT | | MELI | 79.0513 | 210.367 | 80 | 66 | 1257 14570000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

JANUARY 1968

| NONELECTRONIC PART FAILURE RATE DATA | | | | | | | | | | JANUARY 1968 | | | | | |
|--|-------------------------------|-------------------------------|------------------|------------------------|-----------------------------|-------------|---------|--------------|------|---------------------|------------------|------------|--------------------|--------------------|--|
| PART CLASS | | PART DESCRIPTION | | FUNCTIONAL APPLICATION | | ENVIRONMENT | | FAILURE RATE | | UPPER 95 CONF LIMIT | PART PBDU-LATION | PART HOURS | YR OF DATA RPT SRC | CROSS INDEX REF NO | |
| .04 N.C.C. | | | | | | | | | | | | | | | |
| GAS-TURBINE-T-58-1250SHP/1450RPM | JET | GAS-TURBINE-T-58 | GAS-TURBINE-T-58 | GAS-TURBINE-T-58 | TUBOJET-POWER-PLANT-COMPLET | HELI | 370.37 | 585.811 | 20 | .0054 | 66 | 1257 | 14572000 | | |
| | | | | | | HELI | 2446.72 | 3112.06 | 40 | .01267 | 66 | 1257 | 14574000 | | |
| | | | | | | HELI | 2803.46 | 3204.66 | 40 | .0346 | 66 | 1257 | 14576000 | | |
| | | | | | | AIR | 6494.73 | 6842.54 | 76 | .095 | 64 | 1266 | 14578000A | | |
| | | | | | | AIR | 33815.9 | 15449.7 | 424 | .538 | 64 | 1266 | 14580000A | | |
| GAS-TURBINE-T-58-1250SHP/1450RPM | JET | TUBOJET-POWER-PLANT-COMPLET | HELI | 2500 | 2912.15 | 120 | .03 | 66 | 1215 | 14582000 | | | | | |
| | | | AIR | 67631.9 | 12060 | | .538 | 63 | 2111 | 14584000 | | | | | |
| | | | AIR | 12989.4 | 13475.7 | | .095 | 63 | 2120 | 14586000 | | | | | |
| | | | AIR | 180P | | | | 65 | 2363 | 14588000 | | | | | |
| | | | AIR | 420P | | | | 66 | 2363 | 14590000 | | | | | |
| .05 PISTON | JET-JCS | ENGINE-INDICATING-880 | AIR | 540P | | | | 66 | 2363 | 14592000 | | | | | |
| | | | AIR | 1004.76 | 1097.94 | 126 | .21597 | 65 | 1155 | 14594000 | | | | | |
| | | | AIR | 2009.25 | 2178.31 | | .216 | 63 | 2109 | 14596000 | | | | | |
| | | | AIR | 11638.5 | 12944.1 | 86 | .01306 | 66 | 1240 | 14598000 | | | | | |
| | | | AIR | 13301.3 | 14520 | 64 | .01669 | 65 | 1225 | 14600000 | | | | | |
| .10 TURBOJET | | | | | | | | | | | | | | | |
| AFTERBURN-TURBOJET-3-STAGE-1000-THRUST | TURBOJET-POWER-PLANT-COMPLET | TURBOJET-POWER-PLANT-COMPLET | AIR | 209.677 | 305.773 | 272 | .062 | 63 | 1114 | 14602000 | | | | | |
| | | | AIR | 305.061 | 340.559 | 400 | .46548 | 65 | 1198 | 14604000 | | | | | |
| | | | AIR | 527.943 | 571.718 | 200 | .50763 | 65 | 1198 | 14606000 | | | | | |
| | | | AIR | 532.577 | 585.888 | 408 | .352 | 63 | 1114 | 14608000 | | | | | |
| | | | AIR | 1725.05 | 1820.07 | 209 | .33912 | 63 | 1198 | 14610000 | | | | | |
| .15 TURBOPROP | TURBOPROP-POWER-PLANT-COMPLET | TURBOPROP-POWER-PLANT-COMPLET | AIR | 1816.05 | 1919.86 | 200 | .299 | 63 | 1114 | 14612000 | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | ICS EXTINGUISHERS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------------|-------------------|----------------------------|-------------|--------------|-------------|-----------------|------------|------------|-------------|
| PART DESCRIPTION | | | | | | | | RPT | SRC |
| | | | | | | | | | REF |
| | | | | | | | | | |
| ANSOI-CHEM. | | FIRE-PROTECTION. 331C/373C | AIR | 1000P | | | | 66 | 2365 |
| BOTTLE-ENGINE | | FIRE-PROTECTION. 727 | AIR | 170P | | | | 65 | 2363 |
| DRY-CHEM-HAND | | FIRE-PROTECTION. 727 | AIR | 200P | | | | 66 | 2363 |
| DRY-CHEM-HAND | | FIRE-PROTECTION. 727 | AIR | 210P | | | | 66 | 2365 |
| FIRE | | FIRE-PROTECTION. 727 | AIR | * | 96.4641 | 62 | .02367 | 63 | 1111 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-131B | AIR | 80P | | | | 63 | 1111 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-131B | AIR | 150P | | | | 65 | 2362 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-331 | AIR | 170P | | | | 65 | 2362 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-331B | AIR | 240P | | | | 66 | 2362 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-331B | AIR | 280P | | | | 66 | 2362 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-331 | AIR | 310P | | | | 66 | 2362 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-131B | AIR | 340P | | | | 66 | 2362 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-331B | AIR | 530P | | | | 65 | 2362 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-331 | AIR | 600P | | | | 65 | 2362 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-331 | AIR | 680P | | | | 66 | 2362 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-131 | AIR | 740P | | | | 66 | 2362 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-131 | AIR | 800P | | | | 66 | 2362 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-131B | AIR | 130P | | | | 65 | 2361 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-331B | AIR | 170P | | | | 65 | 2361 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-131 | AIR | 260P | | | | 65 | 2361 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-131B | AIR | 300P | | | | 66 | 2361 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-331B | AIR | 230P | | | | 66 | 2361 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-131 | AIR | 480P | | | | 66 | 2361 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-331B | AIR | 490P | | | | 66 | 2361 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-131B | AIR | 560P | | | | 66 | 2361 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-331 | AIR | 570P | | | | 66 | 2361 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-331 | AIR | 790P | | | | 66 | 2361 |
| FIRE-H2O-PORTABLE-HAND | | FIRE-PROTECTION. 707-331 | AIR | 890P | | | | 66 | 2361 |
| FIRE-PORTABLE | | FIRE-PROTECTION. 707-331 | AIR | 65.2173 | 145.234 | 204 | .046 | 63 | 1114 |
| FIRE-PORTABLE | | FIRE-PROTECTION. 707-331 | AIR | 115.501 | 157.462 | 304 | .1645 | 66 | 1250 |
| FIRE-PORTABLE | | FIRE-PROTECTION. 707-331 | AIR | 117.441 | 144.624 | 300 | .34911 | 65 | 1198 |
| FIRE-PORTABLE | | FIRE-PROTECTION. 707-331 | AIR | 121.359 | 179.825 | 192 | .09888 | 65 | 1227 |
| FIRE-PORTABLE | | FIRE-PROTECTION. 707-331 | AIR | 133.144 | 161.658 | 408 | .353 | 63 | 1114 |
| FIRE-PORTABLE | | FIRE-PROTECTION. 707-331 | AIR | 149.715 | 174.217 | 200 | .50763 | 65 | 1198 |
| FIRE-PORTABLE | | FIRE-PROTECTION. 707-331 | AIR | 831.111 | 914.542 | 150 | .225 | 63 | 1114 |
| FIRE-PORTABLE | | FIRE-PROTECTION. 707-331 | AIR | 857.12 | 936.405 | 150 | .25434 | 63 | 1198 |
| FIRE-PORTABLE | | FIRE-PROTECTION. 707-331 | AIR | 560P | | | | 65 | 2363 |
| FIRE-PORTABLE | | FIRE-PROTECTION. 707-331 | AIR | 220P | | | | 66 | 2363 |
| FIRE-PORTABLE | | FIRE-PROTECTION. 707-331 | AIR | 550P | | | | 65 | 2360 |
| FIRE-PORTABLE | | FIRE-PROTECTION. 707-331 | AIR | 160P | | | | 65 | 2360 |
| FIRE-PORTABLE | | FIRE-PROTECTION. 707-331 | AIR | 160P | | | | 65 | 2360 |
| FIRE-PORTABLE | | FIRE-PROTECTION. 707-331 | AIR | 250P | | | | 65 | 2360 |
| FIRE-PORTABLE | | FIRE-PROTECTION. 707-331 | AIR | 300P | | | | 66 | 2360 |
| FIRE-PORTABLE | | FIRE-PROTECTION. 707-331 | AIR | 470P | | | | 66 | 2360 |
| FIRE-PORTABLE | | FIRE-PROTECTION. 707-331 | AIR | 650P | | | | 66 | 2360 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | EXTINGUISHERS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF RPT | DATA INDEX | CROSS REF NO |
|-----------------------|---------------|----------------------------|-------------|--------------|---------------------|-----------------|------------|-----------|------------|--------------|
| | | | | | | | | | | |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 331C/373C | AIR | 70CP | | | | 65 | 2360 | 14704000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 727 | AIR | 11CP | | | | 66 | 2363 | 14706000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 727 | AIR | 17CP | | | | 65 | 2363 | 14708000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-1318 | AIR | 21CP | | | | 65 | 2364 | 14710000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 331C/373C | AIR | 25CP | | | | 66 | 2363 | 14712000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-1318 | AIR | 26CP | | | | 66 | 2364 | 14714000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-1318 | AIR | 27CP | | | | 66 | 2364 | 14716000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 331C/373C | AIR | 27CP | | | | 66 | 2363 | 14718000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 880 | AIR | 38CP | | | | 66 | 2363 | 14720000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 880 | AIR | 45CP | | | | 65 | 2363 | 14722000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-331 | AIR | 46CP | | | | 65 | 2364 | 14724000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-331 | AIR | 47CP | | | | 66 | 2364 | 14726000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 727 | AIR | 47CP | | | | 66 | 2363 | 14728000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-331 | AIR | 50CP | | | | 66 | 2364 | 14730000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-331B | AIR | 51CP | | | | 65 | 2364 | 14732000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-131 | AIR | 55CP | | | | 66 | 2364 | 14734000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-131 | AIR | 56CP | | | | 66 | 2364 | 14736000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-331B | AIR | 58CP | | | | 66 | 2364 | 14738000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-331B | AIR | 63CP | | | | 65 | 2364 | 14740000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-131 | AIR | 91CP | | | | 66 | 2364 | 14742000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 880 | AIR | 92CP | | | | 66 | 2363 | 14744000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 727 | AIR | 15CP | | | | 65 | 2365 | 14746000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 331C/373C | AIR | 24CP | | | | 65 | 2365 | 14748000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 880 | AIR | 32CP | | | | 65 | 2365 | 14750000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 880 | AIR | 38CP | | | | 66 | 2365 | 14752000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 880 | AIR | 47CP | | | | 66 | 2365 | 14754000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 331C/373C | AIR | 50CP | | | | 66 | 2365 | 14756000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 331C/373C | AIR | 51CP | | | | 66 | 2365 | 14758000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 727 | AIR | 53CP | | | | 66 | 2365 | 14760000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 727 | AIR | 71CP | | | | 66 | 2365 | 14762000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 727 | AIR | 43CP | | | | 66 | 2363 | 14764000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 880 | AIR | 45CP | | | | 66 | 2363 | 14766000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-1318 | AIR | 70P | | | | 65 | 2364 | 14768000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-1318 | AIR | 70P | | | | 66 | 2362 | 14770000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-1318 | AIR | 70P | | | | 66 | 2362 | 14772000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-1318 | AIR | 80P | | | | 65 | 2362 | 14774000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-331B | AIR | 10CP | | | | 66 | 2364 | 14776000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 880 | AIR | 15CP | | | | 66 | 2365 | 14778000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 880 | AIR | 16CP | | | | 65 | 2365 | 14780000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-331B | AIR | 17CP | | | | 66 | 2364 | 14782000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION | AIR | 20CP | | | | 65 | 2361 | 14784000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-331 | AIR | 21CP | | | | 65 | 2364 | 14786000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-131 | AIR | 22CP | | | | 66 | 2364 | 14788000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 331C/373C | AIR | 24CP | | | | 65 | 2365 | 14790000 |
| FIRE-20-PORTABLE-HAND | | FIRE-PROTECTION. 707-331B | AIR | 24CP | | | | 66 | 2362 | 14792000 |

ARMED AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

WIDE ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 305 EXTINGUISHERS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER QC CONF LIMIT | PART CATION | PART HOURS | YA OF DATA | CROSS INDEX |
|------------------|-------------------|---------------------------|-------------|--------------|---------------------|-------------|------------|------------|-------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| PORTABLE-C02 | | FIRE-PROTECTION.331C/373C | AIR | 250P | 66 | 2365 | 14794000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.707-131 | AIR | 250P | 66 | 2362 | 14796000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.707-131B | AIR | 260P | 66 | 2364 | 14798000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.707-331B | AIR | 260P | 65 | 2362 | 14800000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.707-331 | AIR | 260P | 65 | 2361 | 14802000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.707-131 | AIR | 260P | 65 | 2361 | 14804000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.727 | AIR | 270P | 65 | 2360 | 14806000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.707-331B | AIR | 270P | 66 | 2364 | 14808000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.707-331B | AIR | 280P | 65 | 2361 | 14810000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.880 | AIR | 290P | 66 | 2360 | 14812000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.707-131B | AIR | 290P | 66 | 2361 | 14814000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.727 | AIR | 300P | 65 | 2365 | 14816000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.707-331 | AIR | 310P | 66 | 2364 | 14818000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.707-331 | AIR | 340P | 66 | 2362 | 14820000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.707-331B | AIR | 340P | 66 | 2361 | 14822000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.707-331 | AIR | 340P | 65 | 2362 | 14824000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.707-331 | AIR | 340P | 66 | 2364 | 14826000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.727 | AIR | 370P | 66 | 2360 | 14828000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.707-131B | AIR | 420P | 66 | 2361 | 14830000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.727 | AIR | 430P | 66 | 2365 | 14832000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.707-131 | AIR | 460P | 66 | 2362 | 14834000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.880 | AIR | 480P | 65 | 2360 | 14836000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.707-331 | AIR | 560P | 66 | 2361 | 14838000 | | |
| PORTABLE-C02 | | FIRE-PROTECTION.727 | AIR | 610P | 65 | 2365 | 14840000 | | |
| TANK-HRD-FIRE | | FIRE-PROTECTION.707-331B | AIR | 50P | 66 | 2361 | 14842000 | | |
| TANK-HRD-FIRE | | FIRE-PROTECTION.707-131B | AIR | 70P | 65 | 2361 | 14844000 | | |
| TANK-HRD-FIRE | | FIRE-PROTECTION.707-331 | AIR | 70P | 66 | 2361 | 14846000 | | |
| TANK-HRD-FIRE | | FIRE-PROTECTION.707-131B | AIR | 90P | 65 | 2361 | 14848000 | | |
| TANK-HRD-FIRE | | FIRE-PROTECTION.707-131 | AIR | 110P | 65 | 2361 | 14850000 | | |
| TANK-HRD-FIRE | | FIRE-PROTECTION.707-331 | AIR | 130P | 66 | 2361 | 14852000 | | |
| TANK-HRD-FIRE | | FIRE-PROTECTION.707-131B | AIR | 140P | 66 | 2361 | 14854000 | | |
| TANK-HRD-FIRE | | FIRE-PROTECTION.707-331B | AIR | 180P | 66 | 2361 | 14856000 | | |
| TANK-HRD-FIRE | | FIRE-PROTECTION.707-131 | AIR | 330P | 65 | 2361 | 14858000 | | |
| TANK-HRD-FIRE | | FIRE-PROTECTION.707-131 | AIR | 110P | 66 | 2364 | 14860000 | | |
| TANK-HRD-FIRE | | FIRE-PROTECTION.707-331B | AIR | 150P | 66 | 2364 | 14862000 | | |
| TANK-HRD-FIRE | | FIRE-PROTECTION.707-131 | AIR | 200P | 65 | 2364 | 14864000 | | |
| TANK-HRD-FIRE | | FIRE-PROTECTION.707-331 | AIR | 230P | 66 | 2364 | 14866000 | | |
| TANK-HRD-FIRE | | FIRE-PROTECTION.707-131B | AIR | 300P | 66 | 2364 | 14868000 | | |
| TANK-HRD-FIRE | | FIRE-PROTECTION.707-131B | AIR | 330P | 66 | 2365 | 14870000 | | |
| TANK-HRD-FIRE | | TANK-HRD-FIRE.707-331 | AIR | 500P | 66 | 2364 | 14872000 | | |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NGNELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 722 PASIENERS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER 90 CONF
LIMIT

PART POPU-
LATION

YR OF DATA
RPT SRCE REF NO

CROSS
INDEX

* CO N.O.C.

| | | | | | | | | |
|----------------------------|-----|---------|---------|-----|--------|----|------|----------|
| WING CENTER BOX-BEAM | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 14874000 |
| WING INBOARD | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 14876000 |
| WING OUTBOARD | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 14878000 |
| FUSELAGE CENTER | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 | 14880000 |
| FUSELAGE AFT | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 | 14882000 |
| FUSELAGE FWD | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 14884000 |
| FUSELAGE FORWARD | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 14886000 |
| FUSELAGE FORWARD NOSE | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 14888000 |
| FUSELAGE FORWARD | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 | 14890000 |
| FUSELAGE FORWARD NOSE | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 | 14892000 |
| FUSELAGE CENTER | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 14894000 |
| WING CENTER BOX-BEAM | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 | 14896000 |
| WING INBOARD | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 | 14898000 |
| WING OUTBOARD | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 | 14900000 |
| INSTRUCTOR SEAT | AIR | 17.5024 | 46.5765 | 473 | .11427 | 65 | 1228 | 14902000 |
| STUDENT SEAT | AIR | 45.6308 | 91.1881 | 406 | .08766 | 64 | 1179 | 14904000 |
| STUDENT SEAT | AIR | 78.7608 | 124.313 | 473 | .11427 | 65 | 1228 | 14906000 |
| INSTRUCTOR SEAT | AIR | 79.8499 | 134.279 | 406 | .08766 | 64 | 1179 | 14908000 |
| CANOPY JETTISON INSTRUCTOR | AIR | * | 26.2573 | 406 | .08766 | 65 | 1179 | 14910000 |
| CANOPY JETTISON INSTRUCTOR | AIR | * | 20.1305 | 473 | .11427 | 65 | 1228 | 14912000 |
| CANOPY JETTISON STUDENT | AIR | * | 26.2573 | 406 | .08766 | 64 | 1179 | 14914000 |
| CANOPY JETTISON STUDENT | AIR | 8.7512 | 34.0395 | 473 | .11427 | 65 | 1228 | 14916000 |

* 1" BOLT

| | | | | | | | | |
|--|-----|---|---------|------|--------|----|------|----------|
| ATTACHING EMPENNAGE | AIR | * | 1.69745 | 800 | 1.3565 | 63 | 1198 | 14918000 |
| ATTACHING DRAG-STRUT FORWARD NLG | AIR | * | 19.7868 | 170 | .11637 | 65 | 1198 | 14920000 |
| ATTACHING EMPENNAGE | AIR | * | 1.00805 | 800 | 2.2842 | 65 | 1198 | 14922000 |
| AFT/MT SECTION | AIR | * | 23.1719 | | .09937 | 63 | 1123 | 14924000 |
| STRIP LANDING GEAR NOSE | AIR | * | 26.2673 | 406 | .08766 | 64 | 1179 | 14926000 |
| STRIP LOCK CANOPY STUDENT | AIR | * | 10.0752 | 946 | .22854 | 65 | 1228 | 14928000 |
| TORQUE ARM LOWER LANDING GEAR NOSE | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 | 14930000 |
| ATTACHING EMPENNAGE | AIR | * | 1.7868 | 1000 | 1.1637 | 65 | 1198 | 14932000 |
| TORQUE ARM UPPER LANDING GEAR NOSE | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 | 14934000 |
| MOUNT ENGINE MACELLE | AIR | * | 4.6736 | 960 | .4944 | 65 | 1227 | 14936000 |
| ATTACHING WING CENTER BOX-BEAM | AIR | * | 6.99878 | 609 | .329 | 66 | 1250 | 14938000 |
| BEAM ALLISON SYSTEM FLIGHT CONTROL | AIR | * | 10.0752 | 946 | .22854 | 65 | 1228 | 14940000 |
| MOUNT ENGINE MACELLE TURBOPROP-PWR-PLT | AIR | * | 1.23669 | 1600 | 1.8619 | 65 | 1198 | 14942000 |
| STOP STABILIZER HORIZONTAL | AIR | * | 10.0752 | 946 | .22854 | 65 | 1228 | 14944000 |
| STOP LOCK CANOPY STUDENT | AIR | * | 13.1336 | 812 | .11332 | 64 | 1179 | 14946000 |
| STOP LANDING GEAR NOSE | AIR | * | 20.1505 | 473 | .11427 | 65 | 1228 | 14948000 |
| ATTACHING WING CENTER BOX-BEAM | AIR | * | 11.6434 | 384 | .19716 | 65 | 1227 | 14950000 |
| ATTACHING WING OUTER | AIR | * | .324 | 2800 | 7.1066 | 65 | 1198 | 14952000 |
| ATTACHING WING OUTER | AIR | * | .323332 | 5600 | 6.5168 | 65 | 1198 | 14954000 |

FORM AIR DEVELOPMENT CENTER, CHIEFESS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

SECT CLASS 107 PARTS

PART DESCRIPTION

41 843

| FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA RPT SRCE | CROSS INDEX REF NO |
|---|-------------|--------------|---------------------|-----------------|------------|---------------------|--------------------|
| BEARING-CAGE, TURBINE, REAR, POWER-SECTION | AIR | .038568 | .150019 | 22308 | 25,928 | 65 1201 | 14958000 |
| BEARING-CAGE, CARRIER, REAR, REDUCTION-LEAF | AIR | .062672 | .243777 | 13728 | 15,956 | 65 1201 | 14958000 |
| COMBUSTION-CHAMBER, INNER, POWER-SECTION | AIR | .062674 | .13957 | 41184 | 47,867 | 65 1201 | 14960000 |
| EXHAUST/VALVE-TURBINE-INLET-CASE, POWER-SECTION | AIR | .113775 | .442549 | 5856 | 8,7893 | 65 1201 | 14962000 |
| VANE-CASE, TURBINE, POWER-SECTION | AIR | .147306 | .572975 | 9580 | 6,7986 | 65 1201 | 14964000 |
| VANE-CASE, TURBINE, POWER-SECTION | AIR | .171836 | .457282 | 14784 | 11,639 | 65 1201 | 14966000 |
| BEARING-CAGE, TURBINE, REAR | AIR | .212889 | .789178 | 5200 | 4,9288 | 65 1201 | 14968000 |
| FLYING STARTER-BEARING, REDUCTION-LEAF | AIR | .324496 | 1.22219 | 3168 | 3,2817 | 65 1201 | 14970000 |
| BEARING-CAGE, CARRIER, REAR, REDUCTION-LEAF | AIR | .329696 | 1.28241 | 3200 | 3,0331 | 65 1201 | 14972000 |
| BEARING-CAGE, TURBINE, REAR, POWER-SECTION | AIR | .354409 | 1.37854 | 3584 | 2,8216 | 65 1201 | 14974000 |
| GEAR-PELLOW, REDUCTION-GEAR | AIR | .358153 | 1.3931 | 3540 | 2,7921 | 65 1201 | 14976000 |
| GEAR-PELLOW, REAR, POWER-SECTION | AIR | .44931 | 1.00058 | 6864 | 6,6760 | 65 1201 | 14978000 |
| ATTACHING WING, OUTER | AIR | 1.68506 | 2.7371 | 2800 | 4,7470 | 63 1198 | 14980000 |
| WING, ENGINE, NACELLE | AIR | 2.43131 | 6.47009 | 1520 | .8226 | 66 1250 | 14982000 |
| WING, ENGINE, NACELLE, TURBOPROP-PWR-LEAF | AIR | 3.6895 | 6.83722 | 900 | 1,3565 | 63 1198 | 14984000 |
| WING, WING-FLAP, FLIGHT-CONTROL | AIR | 4.3756 | 11.6841 | 1892 | .45708 | 65 1228 | 14986000 |
| WING, ENGINE, NACELLE, TURBOPROP-PWR-LEAF | AIR | 4.4324 | 6.9963 | 800 | 2.0305 | 65 1198 | 14988000 |
| WING, ENGINE, NACELLE, TURBOPROP-PWR-LEAF | AIR | 5.66572 | 9.20307 | 1632 | 1.412 | 63 1114 | 14990000 |
| WING, WING-FLAP, ASSEMBLY | AIR | 5.70385 | 15.1782 | 1624 | .35064 | 67 1179 | 14992000 |
| WING, WING-FLAP, FLIGHT-CONTROL | AIR | 5.70385 | 15.1782 | 1624 | .35064 | 64 1179 | 14994000 |
| WING, WING-FLAP, FLIGHT-CONTROL-SYSTEM | AIR | 5.83413 | 15.5255 | 1419 | .34281 | 65 1228 | 14996000 |
| WING, WING-FLAP, FLIGHT-CONTROL | AIR | 6.75838 | 9.71663 | 2378 | 2.0715 | 67 1272 | 14998000 |
| WING, WING-FLAP, FLIGHT-CONTROL | AIR | 6.75871 | 11.3651 | 1194 | 1.0357 | 67 1272 | 15000000 |
| WING, WING-FLAP, FLIGHT-CONTROL-SYSTEM | AIR | 7.60514 | 20.2384 | 1218 | .26298 | 64 1179 | 15002000 |
| WING, WING-FLAP, FLIGHT-CONTROL-SYSTEM | AIR | 7.72364 | 15.4348 | 597 | .51789 | 67 1272 | 15004000 |
| WING, WING-FLAP, FLIGHT-CONTROL-SYSTEM | AIR | 8.55578 | 19.0531 | 1624 | .35064 | 64 1179 | 15006000 |
| WING, WING-FLAP, FLIGHT-CONTROL-SYSTEM | AIR | 9.17209 | 11.5042 | 2388 | 2.0715 | 67 1272 | 15008000 |
| WING, WING-FLAP, FLIGHT-CONTROL-SYSTEM | AIR | 12.5518 | 19.3044 | 1194 | 1.0357 | 67 1272 | 15010000 |
| WING, WING-FLAP, FLIGHT-CONTROL-SYSTEM | AIR | 13.1268 | 23.0421 | 1892 | .45708 | 65 1228 | 15012000 |
| WING, WING-FLAP, FLIGHT-CONTROL-SYSTEM | AIR | 13.1268 | 23.0421 | 1892 | .45708 | 65 1228 | 15014000 |
| WING, WING-FLAP, FLIGHT-CONTROL-SYSTEM | AIR | 15.4484 | 21.6777 | 1194 | 1.0357 | 67 1272 | 15016000 |
| WING, WING-FLAP, FLIGHT-CONTROL-SYSTEM | AIR | 16.4132 | 20.6437 | 2388 | 2.0715 | 67 1272 | 15018000 |
| WING, WING-FLAP, FLIGHT-CONTROL-SYSTEM | AIR | 16.414 | 22.7924 | 1104 | 1.0357 | 67 1272 | 15020000 |
| WING, WING-FLAP, FLIGHT-CONTROL-SYSTEM | AIR | 17.1115 | 38.1063 | 812 | .17532 | 64 1179 | 15022000 |
| WING, WING-FLAP, FLIGHT-CONTROL-SYSTEM | AIR | 17.1115 | 38.1063 | 812 | .17532 | 64 1179 | 15024000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB. N.Y. SECTION I FAILURE RATE DATA

| PART CLASS 307. FASTENERS | | | | | | | | | | |
|---|---------|------------------------|----------|-------------|--------------|---------------------|-------------------|------------|------------|---------------|
| PART DESCRIPTION | | FUNCTIONAL APPLICATION | | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA | CROSS INDEX |
| .10 BOLT | | | | | | | | | | |
| BEAR. AILERON-SYSTEM-FLIGHT-CONTROL | AIR | 19.3106 | 26.1128 | 1194 | 1.0357 | | | | 67 | 1272 15026000 |
| HELLO-DOWN-WINDSHIELD-STUDENT | AIR | 21.878 | 40.5823 | 946 | .22854 | | | | 65 | 1228 15028000 |
| STEP-LOCK-CANOPY-INSTRUCTOR | AIR | 25.1018 | 36.6061 | 597 | .51789 | | | | 67 | 1272 15030000 |
| STEP-LOCK-CANOPY-INSTRUCTOR | AIR | 26.2536 | 58.465 | 473 | .11427 | | | | 65 | 1228 15032000 |
| STEP-LOCK-CANOPY-INSTRUCTOR | AIR | 45.6308 | 91.1881 | 426 | .08766 | | | | 64 | 1179 15034000 |
| BALL-LOCK | SIM MSL | 1886.79 | 7339.05 | 1041 | .00033 | | | | 65 | 1220 15036000 |
| STABILIZER-HORIZONTAL | AIR | * | 26.2673 | 506 | .08766 | | | | 64 | 1179 15038000 |
| STABILIZER-HORIZONTAL | AIR | * | 20.1505 | 473 | .11427 | | | | 65 | 1228 15040000 |
| STABILIZER-HORIZONTAL | AIR | 7.72364 | 15.4348 | 597 | .51789 | | | | 67 | 1272 15042000 |
| DOOR-HYDRAULIC-PETAL | AIR | * | 9.32982 | 456 | .2468 | | | | 66 | 1250 15044000 |
| DOOR-HYDRAULIC-PETAL | AIR | * | 15.5245 | 288 | .14832 | | | | 65 | 1227 15046000 |
| MS-2000BHS | AIR | 9.63855 | 19.2615 | | .415 | | | | 59 | 1070 15048000 |
| NAJ-334P21 | AIR | 14.4927 | 38.5673 | | .138 | | | | 55 | 1070 15050000 |
| TIE | AIR | 4.86121 | 18.9086 | 260 | .20571 | | | | 65 | 1201 15052000 |
| TURBINE/COMPRESSOR-POWER-SECTION | | | | | | | | | | |
| (STORAGE) | MSL | .0001 | | | | | | | 65 | 2440 15054000 |
| (STORAGE) | LAB | 3 | 5.45553 | 8.40515 | 1.8330 | | | | U | 2L2 15056000 |
| | | 400 | | | | | | | 66 | 252 15058000 |
| | | | | | | | | | 63 | 1138 15060000 |
| .60 NUT | | | | | | | | | | |
| AXLE-WHEEL-MAIN-LANDING-GEAR | AIR | * | 6.99878 | 608 | .329 | | | | 66 | 1250 15062000 |
| AXLE-WHEEL-MAIN-LANDING-GEAR | AIR | * | 11.6434 | 384 | .19776 | | | | 65 | 1227 15064000 |
| DISCONNECT-TORQUE-ARM-LANDING-GEAR-NOSE | AIR | * | 19.7868 | 100 | .11637 | | | | 65 | 1198 15066000 |
| GLAND-FRICTION-COLLAR-LANDING-GEAR-NOSE | AIR | * | 19.7868 | 100 | .11637 | | | | 65 | 1198 15068000 |
| GLAND-LANDING-GEAR-MAIN (STORAGE) | AIR | * | 4.94353 | 400 | .46578 | | | | 63 | 1198 15070000 |
| CONC-EXHAUST-BAS-C-ENGINE | MSL | .00001 | | | | | | | 65 | 2440 15072000 |
| ANVIL-20MM-GUN | AIR | 1.947 | 7.57325 | 528 | .51361 | | | | 65 | 1201 15074000 |
| GLAND-FRICTION-COLLAR-LANDING-GEAR-NOSE | AIR | 5.28846 | 7.97988 | | 2.03 | | | | 59 | 1070 15076000 |
| GLAND-FRICTION-COLLAR-LANDING-GEAR-NOSE | GRD | 100 | 26.51158 | 4 | .28 | | | | 64 | 1134 15078000 |
| GLAND-FRICTION-COLLAR-LANDING-GEAR-NOSE | AIR | 11.3636 | 44.2011 | 102 | .088 | | | | 63 | 1114 15080000 |
| GLAND-FRICTION-COLLAR-LANDING-GEAR-NOSE | AIR | 23.5904 | 62.7777 | 50 | .08478 | | | | 63 | 1198 15082000 |
| LAND-FRICTION-COLLAR-LANDING-GEAR-NOSE | AIR | 26.6666 | 70.964 | 50 | .075 | | | | 63 | 1114 15084000 |
| GLAND-FRICTION-COLLAR-LANDING-GEAR-NOSE | AIR | 31.5183 | 62.9859 | 50 | .12691 | | | | 65 | 1198 15086000 |
| SPINNER-PROPELLOR | AIR | 56.7536 | 220.754 | 64 | .01762 | | | | 65 | 1201 15088000 |
| CHECK-MANIFOLD-LOADER-20MM-GUN | GRD | 2508 | 327.1128 | 7 | .18 | | | | 64 | 1134 15090000 |

.15 EXPLOSIVE BOLT

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 307 FASTENERS | FUNCTIONAL APPLICATION | | ENVIRONMENT RATE | | UPPER 90 CONF LIMIT | PART POPUL- LATION | PART HOURS | YR OF DATA RPT SRCE REF NO | CROSS INDEX |
|--------------------|---------------|--------------------------------|-----|------------------|---------|---------------------------|--------------------------|---------------|----------------------------------|----------------|
| PART DESCRIPTION | | | | | | | | | | |
| -66 NUT | | | | | | | | | | |
| HALL | | LANDING-GEAR-MAIN | AIR | * | 1.96993 | 4.94672 | 400 | .46548 | 65 | 1198 15092000 |
| HALL | | LANDING-GEAR-MAIN | AIR | * | 2.83286 | 7.66147 | 200 | .50763 | 65 | 1198 15094000 |
| HALL | | LANDING-GEAR-MAIN | AIR | * | 3.34448 | 11.0189 | 408 | .353 | 63 | 1114 15096000 |
| HALL | | LANDING-GEAR-MAIN | AIR | * | 5.89761 | 13.009 | 200 | .299 | 63 | 1114 15098000 |
| RETAINING | | LANDING-GEAR-MAIN | AIR | * | * | 15.6944 | 200 | .39912 | 63 | 1199 15100000 |
| RETAINING | | LANDING-GEAR-MAIN | AIR | * | * | 48.2219 | 124 | .04775 | 64 | 1111 15102000 |
| RETAINING | | RUDDER-SYSTEM | AIR | * | * | 26.2673 | 406 | .08766 | 65 | 1179 15104000 |
| RETAINING | | RUDDER-SYSTEM | AIR | * | * | 20.1505 | 473 | .11427 | 65 | 1228 15105000 |
| RETAINING | | WHEEL-LANDING-GEAR-MAIN | AIR | * | * | 4.53598 | 200 | .50763 | 65 | 1198 15106000 |
| RETAINING | | WHEEL-LANDING-GEAR-MAIN | AIR | * | * | 10.0752 | 946 | .22854 | 65 | 1228 15110000 |
| RETAINING | | WHEEL-LANDING-GEAR-MAIN | AIR | * | * | 9.89344 | 200 | .23274 | 65 | 1198 15112000 |
| RETAINING | | WHEEL-LANDING-GEAR-MAIN | AIR | * | 3.86212 | 7.71801 | 1194 | .10357 | 67 | 1272 15114000 |
| RETAINING | | WHEEL-LANDING-GEAR | AIR | * | 4.25664 | 11.434 | 400 | .46548 | 65 | 1198 15116000 |
| RETAINING | | WHEEL-LANDING-GEAR-NOSE | AIR | * | 11.3636 | 30.2403 | 204 | .176 | 63 | 1114 15118000 |
| RETAINING | | WHEEL-LANDING-GEAR-MAIN | AIR | * | 11.4077 | 30.3576 | 812 | .17532 | 64 | 1179 15120000 |
| RETAINING | | WHEEL-LANDING-GEAR-NOSE | AIR | * | 11.8194 | 26.321 | 100 | .25382 | 65 | 1198 15122000 |
| RETAINING | | WHEEL-LANDING-GEAR | AIR | * | 16.129 | 62.737 | 272 | .062 | 63 | 1114 15124000 |
| RETAINING | | WHEEL-LANDING-GEAR-NOSE | AIR | * | 17.6928 | 39.4008 | 100 | .15956 | 63 | 1198 15126000 |
| RETAINING | | RUDDER-SYSTEM | AIR | * | 15.3091 | 29.7488 | 597 | .51789 | 67 | 1272 15128000 |
| RETAINING | | WHEEL-LANDING-GEAR-NOSE | AIR | * | 20.1342 | 44.8375 | 100 | .149 | 63 | 1114 15130000 |
| RETAINING | | WHEEL-LANDING-GEAR | AIR | * | 20.6416 | 34.7101 | 200 | .33912 | 63 | 1198 15132000 |
| RETAINING | | WHEEL-LANDING-GEAR | AIR | * | 23.4113 | 39.3675 | 200 | .299 | 63 | 1114 15134000 |
| RETAINING-W/COLLAR | | STABILIZER-HORIZONTAL | AIR | * | * | 20.1505 | 473 | .11427 | 63 | 1229 15136000 |
| RETAINING-W/COLLAR | | STABILIZER-HORIZONTAL | AIR | * | 3.86182 | 10.2768 | 597 | .51789 | 67 | 1272 15138000 |
| SPANNER | | CARRIER-REAR-REDUCTION-GEAR | AIR | * | .501379 | 1.95021 | 1716 | 1.9945 | 65 | 1201 15140000 |
| SPANNER | | CARRIER-REAR-REDUCTION-GEAR | AIR | * | 1.947 | 7.57325 | 528 | .51361 | 65 | 1201 15142000 |
| SPANNER | | PINION-SHAFT-REDUCTION-GEAR | AIR | * | 8.95399 | 16.6091 | 708 | .55841 | 65 | 1201 15144000 |
| SPANNER | | CARRIER-REAR-REDUCTION-GEAR | AIR | * | 17.9079 | 27.5902 | 708 | .55841 | 65 | 1201 15146000 |
| -70 RIVET | | | | | | | | | | |
| BLIND | | DUCT-ANTI-ICING-REDUCTION-GEAR | AIR | * | .68264 | 2.65526 | 976 | 1.4649 | 65 | 1201 15148000 |
| SOLID | | (STORAGE) | MSL | * | .000005 | | | | 65 | 2440 15150000 |
| | | (STORAGE) | MSL | * | .000005 | | | | 65 | 2440 15152000 |
| -80 SCREW | | | | | | | | | | |
| ADJUSTMENT | | PEDAL-RUDDER-CONTROL-SYSTEM | AIR | * | * | 23.2868 | 192 | .09888 | 65 | 1227 15154000 |
| ADJUSTMENT | | PEDAL-RUDDER-CONTROL-SYSTEM | AIR | * | * | 13.9975 | 304 | .1645 | 66 | 1250 15156000A |
| DRIVE | | FLAP-CONTROL | AIR | * | 11.9674 | 31.8471 | 434 | .16712 | 63 | 1111 15158000 |
| FOLLOW-UP | | STABILIZER-CONTROL | AIR | * | * | 192.817 | 31 | .01194 | 63 | 1111 15160000 |
| RETRACTION | | LANDING-GEAR-MAIN | AIR | * | 7.87975 | 15.7468 | 200 | .50763 | 65 | 1198 15162000 |
| RETRACTION | | LANDING-GEAR-MAIN | AIR | * | 8.49858 | 18.9257 | 408 | .353 | 63 | 1114 15164000 |
| RETRACTION | | LANDING-GEAR-MAIN | AIR | * | 8.59328 | 17.1727 | 400 | .46548 | 65 | 1198 15166000 |
| RETRACTION | | LANDING-GEAR-MAIN | AIR | * | 13.2779 | 26.7342 | 200 | .299 | 63 | 1114 15168000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

PART CLASS 3-7 FASTENERS

PART DESCRIPTION FUNCTIONAL APPLICATION

EC SCREW

RETRACTION
RETRACTION
TIMING

LANDING-GEAR.MAIN
LANDING-GEAR.MAIN
FLAP-CONTROL

NONELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| AIR | 16.129 | 62.737 | 272 | .062 | 63 | 1114 15175000 |
| AIR | 17.6928 | 31.0571 | 200 | .33912 | 63 | 1198 15172000 |
| AIR | 5.98372 | 23.2748 | 434 | .16712 | 65 | 1227 15174000 |

ROBE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1949

| PART CLASS | 305 FAIRINGS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------|--------------|-------------------------------------|------------------------|-------------|--------------|-------------|-----------------|------------|------------|---------------|
| | | | | | | | | | RPT SRCE | REF NO |
| | | STABILIZER-VERTICAL | | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 15175000 |
| | | STABILIZER-VERTICAL | | AIR | * | 27.1597 | 50 | .08478 | 63 | 1198 15178000 |
| | | CANOPY-STUDENT | | AIR | * | 10.0752 | 946 | .28854 | 65 | 1228 15190000 |
| | | CENTER-SECTION-DORSAL-AFT | | AIR | * | 1466.62 | | .00157 | 63 | 1123 15182000 |
| | | BULLET-HORIZ-STAB-EMPENNAGE | | AIR | * | 31.049 | 144 | .07416 | 65 | 1227 15186000 |
| | | FIN-DORSAL | | AIR | * | 27.1597 | 50 | .08478 | 63 | 1198 15185000 |
| | | DEF-SENSE-ANTENNA-FUSELAGE-AFT | | AIR | * | 93.1472 | 42 | .02472 | 65 | 1227 15185000 |
| | | STABILIZER-HORIZONTAL | | AIR | * | 6.78992 | 200 | .33912 | 63 | 1198 15190000 |
| | | STABILIZER-HORIZONTAL | | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 15192000 |
| | | LEADING-EDGE-DRGPP-WING | | AIR | * | 23.1719 | | .09937 | 63 | 1123 15194000 |
| | | INFLIGHT-REFUELING-EQUIPMENT-AFT | | AIR | * | 61.9478 | | .07177 | 63 | 1123 15192000 |
| | | FUSELAGE-AFT-ABOVE-WL200 | | AIR | * | 9.89344 | 280 | .23274 | 65 | 1198 15198000 |
| | | LIP-AIR-INTAKE-DUCT-NOSE | | AIR | * | 51.5353 | | .04468 | 63 | 1123 15200000 |
| | | FUSELAGE/VERTICAL-FIN-TRANSITION | | AIR | * | 23.1719 | | .09937 | 63 | 1123 15202000 |
| | | INFLIGHT-REFUELING-EQUIPMENT | | AIR | * | 46.3393 | | .04969 | 63 | 1123 15204000 |
| | | INFLIGHT-REFUELING-EQUIPMENT-LCWR | | AIR | * | 61.9478 | | .03717 | 63 | 1123 15205000 |
| | | STABILIZER-VERTICAL-EMPENNAGE | | AIR | * | 17.9442 | 288 | .12832 | 65 | 1227 15208000 |
| | | FIN-DORSAL | | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 15210000 |
| | | FORWARD-FUSELAGE | | AIR | * | 1466.62 | | .00117 | 63 | 1123 15212000 |
| | | CENTER-SECTION-DORSAL | | AIR | * | 733.312 | | .00314 | 63 | 1123 15215000 |
| | | INFLIGHT-REFUELING-EQUIPMENT-UPPER | | AIR | * | 61.9478 | | .03717 | 63 | 1123 15216000 |
| | | PYLON-TB-WING | | AIR | * | 23.2868 | 192 | .03888 | 65 | 1227 15218000 |
| | | PYLON-TB-ENGINE-NACELLE | | AIR | * | 23.2868 | 192 | .09888 | 55 | 1227 15220000 |
| | | CANOPY-INSTRUCTOR | | AIR | * | 29.1505 | 473 | .11427 | 62 | 1228 15222000 |
| | | AFT-NACELLE | | AIR | * | 4.54672 | 400 | .46548 | 65 | 1198 15224000 |
| | | WING/FUSELAGE-WING-CENTER | | AIR | * | 2.59313 | 1734 | 1.5 | 63 | 1114 15226000 |
| | | WING-TB-FUSELAGE-WING-CENTER | | AIR | * | 1.39036 | 850 | 2.1574 | 65 | 1198 15228000 |
| | | FLAP-FLIGHT-CONTROL-SYSTEM | | AIR | * | 1.54344 | 6.00355 | .6473 | 64 | 1155 15230000 |
| | | AFT-LOWER-NACELLE | | AIR | * | 2.14832 | 6.35637 | .46548 | 65 | 1198 15232000 |
| | | STABILIZER-HORIZONTAL | | AIR | * | 4.29664 | 16.7126 | .23274 | 65 | 1198 15234000 |
| | | WING-TB-FUSELAGE-WING-CENTER | | AIR | * | 4.29664 | 1600 | 1.8619 | 65 | 1198 15236000 |
| | | CANOPY-STUDENT | | AIR | * | 5.70385 | 22.1862 | .17332 | 64 | 1179 15238000 |
| | | RADOME-SYSTEM | | AIR | * | 5.78804 | 8.91743 | 1.7277 | 65 | 1155 15240000 |
| | | WING/FUSELAGE-CENTER-SECTION-DORSAL | | AIR | * | 5.98444 | 23.2775 | .1671 | 63 | 1123 15242000 |
| | | WING-TB-FUSELAGE-WING-CENTER | | AIR | * | 13.1834 | 17.9729 | 1.7412 | 63 | 1198 15244000 |
| | | WING/FUSELAGE-WING-CENTER | | AIR | * | 14.9136 | 20.3316 | 1.274 | 63 | 1114 15246000 |
| | | AFT-LOWER-NACELLE | | AIR | * | 16.129 | 62.737 | .062 | 63 | 1114 15248000 |
| | | AFT-WHEEL-WEEL-PRO | | AIR | * | 20.2265 | 78.6751 | .04944 | 65 | 1227 15250000 |
| | | AFT-LOWER-NACELLE | | AIR | * | 23.4113 | 39.3675 | .299 | 63 | 1114 15252000 |
| | | AFT-LOWER-NACELLE | | AIR | * | 23.5904 | 38.5188 | .33912 | 63 | 1198 15254000 |
| | | WINDSHIELD-STUDENT | | AIR | * | 26.2536 | 58.465 | .1527 | 65 | 1228 15256000 |
| | | OUTBOARD-AFT-WING-FLAP-ASSEMBLY | | AIR | * | 26.8456 | 53.6479 | .149 | 63 | 1114 15258000 |
| | | CUTBOARD-AFT-WING-FLAP-ASSEMBLY | | AIR | * | 29.488 | 54.6986 | .16956 | 63 | 1198 15260000 |
| | | AFT-LOWER-NACELLE | | AIR | * | 33.9943 | 50.3726 | .353 | 63 | 1114 15262000 |
| | | CANOPY-INSTRUCTOR | | AIR | * | 34.2231 | 406 | .06766 | 64 | 1179 15264000 |

.00 N-6.C.

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

PART CLASS 308 FAIRINGS

PART DESCRIPTION FUNCTIONAL APPLICATION

CC N.O.C.

NON-ELECTRIC PART FAILURE RATE DATA JANUARY 1968

| PART DESCRIPTION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF RPT | CROSS DATA INDEX |
|-------------------------------|-------------|--------------|---------------------|-----------------|------------|-----------|------------------|
| WINDSHIELD-STUDENT | AIR | 34.2231 | 76.2126 | 400 | .08766 | 61 | 1179 15266000 |
| AFT-LOWER-NACELLE | AIR | 43.3386 | 57.759 | 200 | .50763 | 65 | 1198 15268000 |
| AFT-NACELLE | AIR | 45.2257 | 63.6022 | 408 | .353 | 63 | 1114 15273000 |
| LANDING-CLAR-NOSE | AIR | 55.5658 | 97.5375 | 63 | .10798 | 64 | 1155 15272000 |
| CENTER-WING-ROOT-BOX-BEAM | AIR | 80.9061 | 215.303 | 48 | .02472 | 55 | 1227 15274000 |
| GUN-TURRET | AIR | 83.752 | 323.77 | 31 | .01194 | 63 | 1111 15276000 |
| AFT-NACELLE | AIR | 49.2484 | 64.439 | 200 | .50763 | 65 | 1198 15218000 |
| FUSELAGE-AFT | AIR | * | 56.3834 | 76 | .04113 | 66 | 1250 15289000 |
| NOSE-WHEEL | AIR | 12.1565 | 47.2854 | 152 | .08226 | 66 | 1250 15282000 |
| NOSE-WHEEL | AIR | 111.111 | 164.643 | | .108 | 63 | 2101 15284000 |
| NOSE-WHEEL | AIR | * | 18.0596 | 228 | .1234 | 66 | 1250 15286000 |
| STABILIZER-EMPERNAGE | AIR | 59.8582 | 76.1355 | 597 | .51789 | 67 | 1272 15288000 |
| ADF-SENSE-ANTENNA | AIR | 21.2416 | 28.3095 | 1194 | 1.0357 | 67 | 1272 15290000 |
| AFT-WHEEL-WEEL-POD | AIR | 48.6263 | 129.401 | 76 | .01113 | 66 | 1250 15292000 |
| ASSEMBLY | AIR | 54.7917 | 82.6765 | 40 | .20076 | 63 | 1123 15294000 |
| BULLET-HORIZONTAL-EMPERNAGE | HELI | 173.41 | 304.395 | 40 | .0346 | 66 | 1257 15296000 |
| CAMPY-INSTRUCTOR | HELI | 185.185 | 720.314 | 20 | .0054 | 66 | 1257 15298000 |
| CAMPY-STUDENT | HELI | 236.779 | 527.292 | 40 | .01267 | 60 | 1257 15300000 |
| CENTER-WING-ROOT-BOX-BEAM | HELI | 294.117 | 782.691 | 20 | .0068 | 56 | 1257 15302000 |
| LAMINATED-GLASS-CLOTH | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 15304000 |
| PIPE-EXHAUST-TAIL-ASSEMBLY | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 15306000 |
| PIPE-EXHAUST-TAIL-ASSEMBLY | AIR | * | 9.32982 | 456 | .2468 | 66 | 1250 15308000 |
| PIPE-EXHAUST-TAIL-ASSEMBLY | AIR | * | | | | | |
| PIPE-EXHAUST-TAIL-ASSEMBLY | AIR | * | | | | | |
| PYLON-TG-ENGINE-NACELLE | AIR | 28.9636 | 41.1137 | 597 | .51739 | 67 | 1272 15310000 |
| PYLON-TG-WING | AIR | | | | | | |
| STABILIZER-VERTICAL-EMPERNAGE | AIR | | | | | | |
| WINDSHIELD | AIR | | | | | | |

SCME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

MECHANICAL PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 325 FILTERS, NON-ELECTRICAL | UPPER | 90 CONF | PART | VR | CRGS |
|--|-----------------------------|--------------|---------|----------|--------|------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | LIMIT | LOCATION | PT | DATA INCR |
| UN | H.C.C. | ENVIRONMENT | | HOURS | RE | REF NO |
| BYPASS-VALVE, OIL-SYS, GAS-TURBINE-COMPRESSOR, AUX-POWER | AIR | * | 18.1435 | 50 | .12691 | 64 1198 15312000 |
| BYPASS-VALVE, OIL-SYS, GAS-TURBINE-COMPRESSOR, AUXILIARY-POWER | AIR | * | 27.1567 | 50 | .08478 | 63 1198 15314000 |
| LINE, VENT, RESERVOIR, NO-1-HYD-SYSTEM | AIR | * | 93.1472 | 48 | .02472 | 65 1227 15316000 |
| LINE, RETURN, NO-1-HYD-SYSTEM | AIR | * | 93.1472 | 48 | .02472 | 65 1227 15318000 |
| LINE, CASE-DRAIN-RETURN, NO-1-HYD-SYS | AIR | * | 93.1472 | 48 | .02472 | 65 1227 15320000 |
| LINE, VENT, RESERVOIR, NO-2-HYD-SYSTEM | AIR | * | 93.1472 | 48 | .02472 | 65 1227 15322000 |
| LINE, VENT, NO-3-HYD-SYSTEM | AIR | * | 93.1472 | 48 | .02472 | 65 1227 15324000 |
| VACUUM/PRESSURE-CALIB-RACK | CRD | * | 1096.47 | | .0921 | 62 1141 15326000 |
| LINE, VENT, NO-3-HYDRAULIC-SYSTEM | AIR | * | 55.9834 | 76 | .04113 | 66 1250 15328000 |
| LINE, RETURN, NO-2-HYDRAULIC-SYSTEM | AIR | * | 55.9834 | 76 | .04113 | 66 1250 15330000 |
| LINE, RETURN, NO-1-HYDRAULIC-SYSTEM | AIR | * | 55.9834 | 76 | .04113 | 66 1250 15332000 |
| VENT, HYDRAULIC-RESERVOIR | AIR | * | 5.03763 | 1892 | .45708 | 63 1228 15334000 |
| EXTENSION-EMERGENCY, NOSE-LANDING-GEAR | AIR | * | 6.12393 | | .376 | 61 1083 15336000 |
| | AIR | * | 46.5736 | 56 | .04944 | 65 1227 15338000 |
| BYPASS-VALVE, OIL-SYS, GAS-TURBINE-COMPRESSOR, AUX-POWER | AIR | * | 19.7865 | 100 | .12637 | 63 1198 15340000 |
| LINE, CASE-DRAIN-RETURN, NO-2-HYDRAULIC-SYSTEM | AIR | * | 55.9834 | 76 | .04113 | 66 1250 15342000 |
| SENSING-LINE, STARTER, REDUCTION-GEAR-SYSTEM | AIR | * | 4.34872 | 400 | .46548 | 65 1198 15344000 |
| CONTROL, SPILLER/AIRBRAKE | AIR | * | 96.4641 | 62 | .02387 | 63 1111 15346000 |
| CAMERA-VACUUM-SYSTEM | AIR | * | 36.7358 | 300 | .06268 | 63 1198 15348000 |
| CAMERA, BOMBING-SYSTEM | AIR | * | 192.847 | 31 | .01194 | 63 1111 15350000 |
| DOOR, HYDRAULIC, FORWARD-CARGO | AIR | * | 116 | 100 | .01985 | 65 1198 15352000 |
| WATER-SEPARATOR, AIR-CONDITIONING-SYS | AIR | * | 192.847 | 31 | .01194 | 63 1111 15354000 |
| LINE, CASE-DRAIN-RETURN, NO-2-HYD-SYS | AIR | * | 93.1472 | 48 | .02472 | 65 1227 15356000 |
| EXTENSION-EMERGENCY, NOSE-LANDING-GEAR | AIR | * | 27.9917 | 152 | .08226 | 66 1250 15358000 |
| CORRECT, GROUND-TEST, NO-2-HYDRAULIC-SYSTEM | AIR | * | 27.9917 | 152 | .08226 | 66 1250 15360000 |
| CORRECT, GROUND-TEST, NO-1-HYDRAULIC-SYSTEM | AIR | * | 55.9834 | 76 | .04113 | 64 1250 15362000 |
| VALVE, PRESSURE, RESULATOR-GASEOUS-HYDROGEN | QUAL TEST | * | 230.260 | 6 | .0100 | 65 2340 15364000 |
| FUEL-SYSTEM | AIR | * | 1.95021 | 1716 | 1.9955 | 65 1201 15366000 |
| DISC, FUEL-SYSTEM | AIR | * | 10.6212 | 244 | .35622 | 65 1201 15368000 |
| CANOPY-SEAL-SYSTEM | AIR | * | 6.45051 | 1194 | 1.0757 | 67 1272 15370000 |
| RESERVOIR-VENT, HYDRAULIC-POWER-SUPPLY | AIR | * | 11.434 | 460 | .46148 | 65 1198 15372000 |
| CANOPY-SEAL-SYSTEM | AIR | * | 17.0197 | 946 | .22854 | 65 1228 15374000 |
| DOOR, HYDRAULIC, FORWARD-CARGO | AIR | * | 30.6492 | 50 | .12691 | 65 1198 15376000 |
| LINE, RETURN, HYDRAULIC-POWER-SUPPLY | AIR | * | 19.1366 | 300 | .34911 | 65 1198 15378000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1
FAILURE RATE DATA

PART CLASS 325 FILTERS: NON-ELECTRICAL

PART DESCRIPTION FUNCTIONAL APPLICATION

-00 N.O.C.

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PAST POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|-------------|--------------|---------------------|-----------------|------------|------------|----------------|
| | | | | | | |
| AIR | 11.3636 | 44.2011 | 102 | .088 | 63 | 1114 15380000 |
| AIR | 12.1565 | 47.2054 | 152 | .08226 | 66 | 1250 15382000 |
| AIR | 12.7478 | 20.1218 | 816 | .706 | 63 | 1114 15384000 |
| AIR | 13.3779 | 26.7342 | 200 | .299 | 63 | 1114 15386000 |
| AIR SUP GRD | 14.4927 | 28.9621 | | .276 | 57 | 212 15388000 |
| AIR SHP GRD | 14.4927 | 36.5673 | | .138 | 57 | 212 15390000 |
| AIR | 14.744 | 27.3493 | 200 | .53912 | 63 | 1198 15392000 |
| AIR | 16.2509 | 43.2461 | | .12307 | 66 | 1241 15394000 |
| AIR | 17.8571 | 69.4589 | | .056 | 61 | 1082 15396000 |
| AIR | 20.2265 | 78.5721 | 56 | .04944 | 65 | 1227 15398000 |
| AIR | 22.7272 | 60.4806 | 102 | .088 | 63 | 1114 15400000 |
| AIR | 23.6387 | 52.642 | 50 | .12691 | 65 | 198 15402000 |
| AIR | 24.3131 | 94.5708 | 76 | .04113 | 66 | 1250 15404000A |
| AIR | 24.3131 | 94.5708 | 76 | .04113 | 66 | 1250 15406000 |
| AIR | 26.2536 | 46.0842 | 946 | .22854 | 65 | 1228 15408000 |
| AIR | 29.5479 | 37.7377 | 400 | 1.0153 | 65 | 1198 15410000 |
| QUAL TEST | 30 | | | | 59 | 214 15412000 |
| QUAL TEST | 33.3333C | 129.656C | 3 | .03C | 65 | 2340 15414000A |
| AIR | 35.3857 | 78.8016 | 50 | .08478 | 63 | 1198 15416000 |
| AIR | 39.1752 | 48.6461 | 1122 | .97 | 63 | 1114 15418000 |
| AIR | 40 | 89.0773 | 50 | .075 | 63 | 1114 15420000 |
| AIR | 40.453 | 157.35 | 48 | .02472 | 65 | 1227 15422000 |
| AIR | 43.4782 | 115.702 | 204 | .046 | 63 | 1114 15424000 |
| AIR | 48.387 | 107.754 | 272 | .062 | 63 | 1114 15426000 |
| AIR | 60.1529 | 101.15 | 100 | .11637 | 65 | 1198 15428000 |
| CONDITIONER | | | | | | |
| AIR | 60.6796 | 135.129 | 96 | .04944 | 65 | 1227 15430000 |
| AIR | 60.7828 | 112.748 | 152 | .08226 | 66 | 1250 15432000 |
| AIR | 63.492 | 148.961 | 126 | .0315 | 64 | 1154 15434000 |
| AIR | 64.4496 | 82.313 | 400 | .46548 | 65 | 1198 15436000 |
| AIR | 65.1558 | 86.2699 | 408 | .353 | 63 | 1114 15438000 |
| AIR | 66.6666 | 259.313 | 68 | .015 | 63 | 1114 15440000 |
| AIR | 66.9779 | 84.2815 | 200 | .50763 | 65 | 1198 15442000 |
| AIR | 72.9394 | 162.931 | 76 | .04113 | 66 | 1250 15444000A |
| AIR | 78.7959 | 121.398 | 50 | .12691 | 65 | 1198 15446000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 325 FILTERS, NON-ELECTRICAL

PART DESCRIPTION FUNCTIONAL APPLICATION

-UC N.O.C.

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|---|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|-------------|
| | | | | | | | | |
| LINE-PRESSURE-HYDRAULIC-POWER-SUPPLY | AIR | 79.3506 | 92.5297 | 550 | .93257 | 63 | 1198 | 15448000 |
| RADOME-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 79.5454 | 133.76 | 102 | .088 | 63 | 1114 | 15450000 |
| LINE-PRESSURE-HYDRAULIC-POWER-SUPPLY | AIR | 80.097 | 94.2724 | 550 | .824 | 63 | 1114 | 15452000 |
| ENGINE-OIL-SYSTEM | AIR | 80.6451 | 149.591 | 272 | .062 | 63 | 1114 | 15454000 |
| LINE-CASE-DRAIN-RETURN-N0-3-HYD-SYS | AIR | 80.9061 | 161.681 | 96 | .04944 | 65 | 1227 | 15456000 |
| LINE-PRESSURE-N0-2-HYDRAULIC-SYSTEM | AIR | 85.096 | 143.093 | 152 | .08226 | 66 | 1250 | 15458000 |
| LINE-PRESSURE-N0-1-HYDRAULIC-SYSTEM | AIR | 93.1232 | 104.488 | 550 | 1.396 | 65 | 1198 | 15460000 |
| FUEL-SYSTEM-AUXILIARY-POWER-SUPPLY | AIR | 97.2526 | 157.971 | 152 | .08226 | 66 | 1250 | 15462000 |
| FUEL-SYSTEM-AUXILIARY-POWER-UNIT | AIR | 97.2526 | 194.348 | 76 | .04113 | 66 | 1250 | 15464000 |
| RADOME-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 106.157 | 167.563 | 50 | .04113 | 66 | 1250 | 15466000 |
| RESERVOIR-VENT-HYDRAULIC-POWER-SUPPLY | AIR | 113.234 | 137.196 | 250 | .08478 | 63 | 1198 | 15468000 |
| RADOME-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 120 | 189.413 | 50 | .4239 | 63 | 1198 | 15470000 |
| FUEL-SYS-AUX-POWER-UNIT | AIR | 121.359 | 270.258 | 48 | .075 | 63 | 1114 | 15472000 |
| LINE-RETURN-HYDRAULIC-POWER-SUPPLY | AIR | 125.333 | 152.174 | 250 | .02472 | 65 | 1227 | 15474000 |
| RADOME-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 133.333 | 354.82 | 68 | .015 | 63 | 1114 | 15476000 |
| CONTROL-PRESSURIZATION-AIR-CONDITIONER | AIR | 136.363 | 202.063 | 102 | .088 | 63 | 1114 | 15478000 |
| HYDRAULIC-POWER-SUPPLY | AIR | 145.795 | 162.207 | 1194 | 1.0357 | 67 | 1272 | 15480000 |
| CONTROL-PRESSURIZATION-AIR-CONDITIONER | AIR | 153.338 | 223.613 | 50 | .08478 | 63 | 1198 | 15484000 |
| LINE-PRESSURE-N0-2-HYD-SYS | AIR | 161.812 | 323.363 | 48 | .02472 | 65 | 1227 | 15486000 |
| CONTROL-PRESSURIZATION-AIR-CONDITIONER | AIR | 173.333 | 252.772 | 50 | .075 | 63 | 1114 | 15488000 |
| LINE-ANTI-BLOCKOUT-PILOT-AN6538-2 | AIR | 178.438 | 204.119 | 424 | .538 | 64 | 1266 | 15490000 |
| RADOME-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 189.052 | 251.957 | 100 | .11637 | 65 | 1198 | 15492000 |
| CONTROL-PRESSURIZATION-AIR-CONDITIONER | AIR | 204.869 | 266.617 | 50 | .12691 | 65 | 1198 | 15494000 |
| ENGINE-OIL-SYSTEM | AIR | 212.683 | 242.782 | 400 | .46548 | 65 | 1198 | 15496000 |
| ENGINE-OIL-SYSTEM | AIR | 237.96 | 274.811 | 408 | .353 | 63 | 1114 | 15498000 |
| WING-ANTI-ICE/DE-ICE-SYSTEM | AIR | 238.463 | 270.165 | 400 | .46548 | 63 | 1198 | 15500000 |
| JET-PUMP-PRESSURIZATION-AIR-CONDITIONER | AIR | 309.351 | 386.508 | 100 | .11637 | 65 | 1198 | 15502000 |
| ENGINE-OIL-SYSTEM | AIR | 330.949 | 366.131 | 200 | .50763 | 65 | 1198 | 15504000 |
| WING-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 361.204 | 409.951 | 200 | .299 | 63 | 1114 | 15506000 |
| EMPENNAGE-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 365.652 | 432.661 | 100 | .16956 | 63 | 1198 | 15508000 |
| EMPENNAGE-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 416.107 | 492.362 | 100 | .149 | 63 | 1114 | 15510000 |
| JET-PUMP-PRESSURIZATION-AIR-CONDITIONER | AIR | 533.333 | 866.313 | 68 | .015 | 63 | 1114 | 15512000 |
| ENGINE-OIL-SYSTEM | AIR | 589.761 | 646.88 | 200 | .33912 | 63 | 1198 | 15514000 |
| ENGINE-OIL-SYSTEM | AIR | 652.173 | 716.193 | 200 | .299 | 63 | 1114 | 15516000 |
| HYDRAULIC-RESERVOIR | AIR | 8.7512 | 23.2882 | 946 | .22854 | 65 | 1228 | 15518000 |
| HYDRAULIC-RESERVOIR | AIR | 17.3795 | 23.9029 | 1194 | 1.0357 | 67 | 1272 | 15520000 |
| ENGINE-BLEED(FUEL-TANK-PRESSURE) | AIR | 18.018 | 47.9486 | 640 | .11 | 61 | 1080 | 15522000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 325 FILTERS, NON-ELECTRICAL | UPPER | PART | YR | CROSS |
|-------------------------|------------------------------------|--------------|---------------|-------------------|-------------------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | 90 CONF LIMIT | PART LATION HOURS | OF DATA INDEX RPT SRCE REF NO |
| -00 N.O.C. | | | | | |
| AIR | ENGINE-BLEED-G-VALVE/TURN-BANK-IND | AIR | 56.7453 | 93.4153 | 63 1123 15524000A |
| AIR | HYDRAULIC-SYSTEM | AIR | 84.2105 | 136.786 | 76 .095 64 1266 15526000A |
| AIR | WATER/WASTE-727 | AIR | 200P | | 66 2365 15528000 |
| AIR | ENGINE-INTAKE | HELI | 236.779 | 527.292 | 40 .01267 66 1257 15530000 |
| AIR-HYDRAULIC | HYDRAULIC-POWER-707-131B | AIR | 130P | | 65 2361 15532000 |
| AIR-HYDRAULIC | HYDRAULIC-POWER-707-131B | AIR | 160P | | 65 2362 15534000 |
| AIR-PRESSURE-REGULATING | GAS-TURBINE-COMPRESSOR-AUX-POWER | AIR | 7.8796 | 30.4492 | 50 .12691 65 1198 15536000 |
| AIR-PRESSURE-REGULATING | GAS-TURBINE-COMPRESSOR-AUX-POWER | AIR | 8.59328 | 33.4252 | 100 .637 65 1198 15538000 |
| AIR-PRESSURE-REGULATING | GAS-TURBINE-COMPRESSOR-AUX-POWER | AIR | 11.3636 | 44.2011 | 102 .088 63 1114 15540000 |
| AIR-PRESSURE-REGULATING | GAS-TURBINE-COMPRESSOR-AUX-POWER | AIR | 11.7952 | 45.8799 | 50 .08472 63 1198 15542000 |
| AIR-PRESSURE-REGULATING | GAS-TURBINE-COMPRESSOR-AUX-POWER | AIR | 13.3333 | 51.8625 | 50 .075 63 1114 15544000 |
| ASSEMBLY-SINGLE-STAGE | | | .0572 | | 62 2227 15546000 |
| BRINE | | | .1118 | .187928 | 61 2227 15548000 |
| CATALYTIC | AIR-CONDITIONING-SYSTEM | AIR | 83.3333 | 324.141 | 31 .012 63 1111 15550000 |
| CHEMICAL-DRIER | TURRET-PNEUMATIC-SYSTEM | AIR | 83.3333 | 324.141 | 31 .012 63 1111 15552000 |
| CHEMICAL-DRIER | BOMBING-NAVIG-SYSTEM | AIR | 125 | 278.366 | 62 .024 63 1111 15554000 |
| CONNECT-GROUND-TEST | NO-2-HYDRAULIC-SYSTEM | AIR | 20.2265 | 78.6751 | 96 .04944 65 1227 15556000 |
| CONNECT-GROUND-TEST | NO-1-HYDRAULIC-SYSTEM | AIR | 40.453 | 157.35 | 48 .02472 65 1227 15558000 |
| CONSTANT-SPEED-DRIVE | ELECTRICAL-POWER-707-131 | AIR | 60P | | 66 2364 15560000 |
| CONSTANT-SPEED-DRIVE | ELECTRICAL-POWER-707-131 | AIR | 60P | | 65 2361 15562000 |
| CONSTANT-SPEED-DRIVE | ELECTRICAL-POWER-707-131 | AIR | 60P | | 66 2361 15564000 |
| CONSTANT-SPEED-DRIVE | ELECTRICAL-POWER-707-131 | AIR | 70P | | 65 2361 15566000 |
| CONSTANT-SPEED-DRIVE | ELECTRICAL-POWER-707-131 | AIR | 70P | | 66 2361 15568000 |
| CONSTANT-SPEED-DRIVE | ELECTRICAL-POWER-707-131 | AIR | 70P | | 66 2361 15570000 |
| CONSTANT-SPEED-DRIVE | ELECTRICAL-POWER-707-131 | AIR | 70P | | 65 2364 15572000 |
| CONSTANT-SPEED-DRIVE | ELECTRICAL-POWER-707-131 | AIR | 70P | | 65 2364 15574000 |
| CONSTANT-SPEED-DRIVE | ELECTRICAL-POWER-707-131 | AIR | 70P | | 65 2364 15576000 |
| CONSTANT-SPEED-DRIVE | ELECTRICAL-POWER-707-131 | AIR | 80P | | 65 2364 15578000 |
| CONSTANT-SPEED-DRIVE | ELECTRICAL-POWER-707-131 | AIR | 80P | | 65 2364 15580000 |
| CONSTANT-SPEED-DRIVE | ELECTRICAL-POWER-707-131 | AIR | 110P | | 66 2361 15582000 |
| CONSTANT-SPEED-DRIVE | ELECTRICAL-POWER-707-131 | AIR | 150P | | 65 2362 15584000 |
| CONSTANT-SPEED-DRIVE | ELECTRICAL-POWER-707-131 | AIR | 150P | | 66 2362 15586000 |
| CONSTANT-SPEED-DRIVE | ELECTRICAL-POWER-707-131 | AIR | 160P | | 66 2364 15588000 |
| CONSTANT-SPEED-DRIVE | ELECTRICAL-POWER-707-131 | AIR | 170P | | 65 2362 15590000 |
| CONSTANT-SPEED-DRIVE | ELECTRICAL-POWER-707-131 | AIR | 170P | | 66 2364 15592000 |
| CONSTANT-SPEED-DRIVE | ELECTRICAL-POWER-707-131 | AIR | 230P | | 66 2362 15594000 |
| CONSTANT-SPEED-DRIVE | ELECTRICAL-POWER-707-131 | AIR | 250P | | 66 2362 15596000 |
| DRIER | | | .0487 | | 62 2227 15598000 |
| DRIER-REFRIGERANT | | | .079 | | 63 2227 15600000 |
| ELEMENT-HYDRAULIC | HYDRAULIC-POWER-727 | AIR | 83P | | 66 2365 15602000 |
| ELEMENT-HYDRAULIC | HYDRAULIC-POWER-727 | AIR | 230P | | 65 2363 15604000 |
| ELEMENT-HYDRAULIC | HYDRAULIC-POWER-727 | AIR | 330P | | 66 2363 15606000 |
| ELEMENT-HYDRAULIC-REUS | HYDRAULIC-POWER-727 | AIR | 40P | | 66 2365 15608000 |
| ELEMENT-HYDRAULIC-REUS | HYDRAULIC-POWER-727 | AIR | 80P | | 66 2363 15610000 |
| ELEMENT-HYDRAULIC-REUS | HYDRAULIC-POWER-727 | AIR | 120P | | 66 2363 15612000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

| PART CLASS | 325 FILTERS, NON-ELECTRICAL | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART LATION | PART HOURS | YR | CROSS |
|--|-----------------------------|------------------------|-------------|--------------|-------------|-------------|------------|----|----------------------------------|
| PART DESCRIPTION | | | | | | | | | 82 DATA INDEX NPT SRCE REF NO |
| .LC N.O.C. | | | | | | | | | |
| ELEMENT-HYDRAULIC-REUS | HYDRAULIC-PONER.727 | AIR | 140P | | | | | 65 | 2363 15614000 |
| ELEMENT-HYDRAULIC-REUS | HYDRAULIC-PONER.727 | AIR | 170P | | | | | 65 | 2363 15616000 |
| ELEMENT-HYDRAULIC-REUS | HYDRAULIC-PONER.727 | AIR | 230P | | | | | 65 | 2363 15615000 |
| ELEMENT-HYDRAULIC-REUS | HYDRAULIC-PONER.727 | AIR | 290P | | | | | 66 | 2363 15620000 |
| ELEMENT-METALLIC | HYDRAULIC-PONER.727 | AIR | 170P | | | | | 65 | 2363 15622000 |
| ELEMENT-METALLIC | HYDRAULIC-PONER.727 | AIR | 240P | | | | | 66 | 2363 15624000 |
| ELEMENT-SEC | HYDRAULIC-PONER.331C/373C | AIR | 510P | | | | | 66 | 2363 15626000 |
| ELEMENT-SEC | HYDRAULIC-PONER.331C/373C | AIR | 540P | | | | | 66 | 2363 15628000 |
| FUEL | | AIR | * | 24.1109 | 248 | | .0955 | 63 | 1111 15630000 |
| FUEL | | AIR | * | 20.0226 | | | .115 | 61 | 1084 15632000 |
| FUEL | | AIR | 1.947 | 7.57325 | 528 | | .51361 | 65 | 1201 15634000 |
| FUEL | | AIR | 14.4927 | 38.5673 | | | .138 | 59 | 1070 15636000 |
| FUEL | | AIR | 17.8571 | 69.4589 | | | .056 | 51 | 1082 15638000 |
| FUEL-DE-ICING | FUEL-SYSTEM | AIR | 127.659 | 171.333 | 304 | | .1645 | 66 | 1250 15640000 |
| FUEL-DE-ICING | FUEL-SYSTEM | AIR | 151.699 | 215.335 | 192 | | .09888 | 65 | 1227 15642000 |
| FUEL-HIGH-PRESSURE | TURBOPROP-PONER-PLANT | AIR | 2.63754 | 10.2592 | 400 | | .37914 | 65 | 1201 15644000 |
| FUEL-HIGH-PRESSURE | AFTERBURNER-J-55 | AIR | 4.3756 | 17.0197 | 946 | | .22854 | 65 | 1228 15646000 |
| FUEL-HIGH-PRESSURE | TURBOPROP-PONER-PLANT | AIR | 9.81739 | 38.1867 | 812 | | .10186 | 64 | 1179 15648000 |
| FUEL-HIGH-PRESSURE | TURBOPROP-PONER-PLANT | AIR | 59.0981 | 75.4784 | 200 | | .50763 | 65 | 1198 15650000 |
| FUEL-HIGH-PRESSURE | TURBOPROP-PONER-PLANT | AIR | 65.1558 | 86.2699 | 408 | | .353 | 63 | 1114 15652000 |
| FUEL-HIGH-PRESSURE | TURBOPROP-PONER-PLANT | AIR | 70.7724 | 85.7489 | 400 | | .67823 | 63 | 1198 15654000 |
| FUEL-HIGH-PRESSURE | TURBOPROP-PONER-PLANT | AIR | 76.7946 | 93.4424 | 400 | | .599 | 63 | 1114 15656000 |
| FUEL-HIGH-PRESSURE | TURBOPROP-PONER-PLANT | AIR | 77.3395 | 96.6272 | 400 | | .46548 | 65 | 1198 15658000 |
| FUEL-MAIN.MIL-F-6415.40- MICRON.60-SQ-IN.1-1/2- PSI-RELIEF | | HELI | 100 | 222.693 | 120 | | .03 | 65 | 1215 15660000 |
| FUEL-MAIN-RELIEF-TYPE | | AIR | 76.5696 | 297.833 | 86 | | .01306 | 66 | 1240 15662000A |
| FUEL-STATIC.40MICRON. 3CPSIG-BYPASS | | HELI | 166.666 | 309.156 | 120 | | .03 | 65 | 1215 15664000 |
| (STORAGE) | | | | | | | | | |
| GAS.25-MICRON.ABSOLUTE | | MSL | * | 112.889 | 1397 | | 20.397 | 67 | 1271 15666000A |
| GMZ-VALVE | | LAR | * | 230.26C | 6 | | .01C | 66 | 1264 15668000A |
| GLYCOL | | AIR | * | 65.7885 | 320 | | .035 | 61 | 1080 15670000 |
| HELIUM | | LAR | * | 4605.2C | 5 | | .0005C | 62 | 1085 15672000 |
| HYDRAULIC-AUXILIARY-RETURN | HYDRAULIC-PONER.707.131B | AIR | 280P | | | | | 66 | 2361 15674000 |
| HYDRAULIC-AUXILIARY-RETURN | HYDRAULIC-PONER.331C/373C | AIR | 500P | | | | | 66 | 2360 15676000 |
| HYDRAULIC-CS-DRAIN-RET | HYDRAULIC-PONER.331C/373C | AIR | 170P | | | | | 66 | 2364 15678000 |
| HYDRAULIC-CS-DRAIN-RET | HYDRAULIC-PONER.707-131B | AIR | 40P | | | | | 66 | 2364 15680000 |
| HYDRAULIC-HIGH-PRESSURE | HYDRAULIC-PONER.880 | AIR | 80P | | | | | 66 | 2365 15682000 |
| HYDRAULIC-HIGH-PRESSURE | HYDRAULIC-PONER.880 | AIR | 80P | | | | | 66 | 2363 15684000 |
| HYDRAULIC-HIGH-PRESSURE | HYDRAULIC-PONER.880 | AIR | 90P | | | | | 65 | 2363 15686000 |
| HYDRAULIC-HIGH-PRESSURE | HYDRAULIC-PONER.880 | AIR | 160P | | | | | 65 | 2360 15688000 |
| HYDRAULIC-HIGH-PRESSURE | HYDRAULIC-PONER.880 | AIR | 230P | | | | | 66 | 2363 15690000 |
| HYDRAULIC-HIGH-PRESSURE | HYDRAULIC-PONER.880 | AIR | 240P | | | | | 65 | 2365 15692000 |
| UT IL-331C | HYDRAULIC-PONER.707.331B | AIR | 60P | | | | | 66 | 2361 15694000 |

Rome Air Development Center, Griffiss AFB, N.Y.
SECTION I FAILURE RATE DATA

| PART CLASS | 325 FILTERS - NON-ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|------------|------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

ROME AIR DEVELOPMENT CENTER, CRIFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 325 FILTERS, NON-ELECTRICAL | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LIFETIME | YR OF DATA INDEX | CROSS REF DATA INDEX |
|------------------|-----------------------------|-----------------------------|-------------|--------------|---------------------|-----------------|---------------|------------------|----------------------|
| PART DESCRIPTION | | | | | | | | | |
| .00 N.O.C. | | | | | | | | | |
| PASS-TOLLET | | WATER/WASTE-707-131 | AIR | 410P | | | | 65 | 2364 15776000 |
| PASS-TOLLET | | WATER/WASTE-707-331 | AIR | 460P | | | | 65 | 2364 15776000 |
| PASSENGER-TOLLET | | WATER/WASTE-707-131 | AIR | 60P | | | | 66 | 2362 15780000 |
| PASSENGER-TOLLET | | WATER/WASTE-707-331 | AIR | 30P | | | | 66 | 2361 15782000 |
| PASSENGER-TOLLET | | WATER/WASTE-707-131 | AIR | 10P | | | | 65 | 2361 15784000 |
| PASSENGER-TOLLET | | WATER/WASTE-707-231 | AIR | 30P | | | | 66 | 2362 15786000 |
| PASSENGER-TOLLET | | WATER/WASTE-707-331 | AIR | 90P | | | | 65 | 2362 15788000 |
| PASSENGER-TOLLET | | WATER/WASTE-707-131 | AIR | 110P | | | | 66 | 2361 15790000 |
| PASSENGER-TOLLET | | WATER/WASTE-707-331 | AIR | 190P | | | | 65 | 2361 15792000 |
| PASSENGER-TOLLET | | WATER/WASTE-707-131 | AIR | 250P | | | | 66 | 2362 15794000 |
| PASSENGER-TOLLET | | WATER/WASTE-707-131 | AIR | 250P | | | | 66 | 2362 15796000 |
| PASSENGER-TOLLET | | WATER/WASTE-707-131 | AIR | 260P | | | | 65 | 2361 15798000 |
| PASSENGER-TOLLET | | WATER/WASTE-707-331 | AIR | 260P | | | | 66 | 2361 15800000 |
| PASSENGER-TOLLET | | WATER/WASTE-707-131 | AIR | 300P | | | | 65 | 2362 15802000 |
| REDUCTION | | ENGINE-OIL-SYSTEM | AIR | .155807 | .186343 | 408 | 353 | 63 | 1114 15804000 |
| REDUCTION | | ENGINE-OIL-SYSTEM | AIR | 16.129 | 62.737 | 272 | .042 | 63 | 1114 15804000 |
| REDUCTION | | ENGINE-OIL-SYSTEM | AIR | 83.1344 | 103.74 | 400 | .48548 | 65 | 1198 15808000 |
| REDUCTION | | ENGINE-OIL-SYSTEM | AIR | 210.782 | 239.325 | 200 | .50763 | 65 | 1198 15810000 |
| REDUCTION | | ENGINE-OIL-SYSTEM | AIR | 321.42 | 364.581 | 200 | .33912 | 63 | 1198 15812000 |
| REDUCTION | | ENGINE-OIL-SYSTEM | AIR | 344.461 | 392.188 | 200 | .299 | 63 | 1114 15814000 |
| SKYDROL | | HYDRAULIC-POWER.880 | AIR | 140P | | | | 66 | 2360 15816000 |
| THRUST-REVERSE | | EXHAUST.88C | AIR | 40P | | | | 65 | 2365 15818000 |
| UTILITY-RETURN | | HYDRAULIC-POWER.707.331 | AIR | 340P | | | | 65 | 2361 15820000 |
| VACUUM | | PUMP.PHOTOCRAPIIC-EQUIPMENT | AIR | * | 192.847 | 31 | .01194 | 63 | 1111 15820000 |
| VENT | | HYDRAULIC-RESERVOIR | AIR | .482742 | 1.87772 | 2388 | 2.0715 | 67 | 1272 15824000 |
| WATER-WASTE | | | AIR | 178.261 | 207.435 | | .42634 | 65 | 1196 15826000 |

.05 MECHANICAL

| | | | | | | |
|-----|--------|---------|-----|-----|----|---------------|
| GRD | * | 7.47597 | 144 | .31 | 64 | 1142 15828000 |
| MSL | .00001 | | | | 65 | 2440 15830000 |
| LAB | .3 | | | | 63 | 1138 15832000 |
| AIR | 15 | | | | 61 | 1068 15834000 |

(STORAGE)

.65 HYDRAULIC FLUID, MECHANICAL

| | | | | | | | | | |
|--------------------------------|--|--|--|--|--|--|--|--|--|
| AILERON-CONTROL-SYSTEM | | | | | | | | | |
| (STORAGE) | | | | | | | | | |
| AILERON-CONTROL-SYSTEM | | | | | | | | | |
| UTILITY-SYSTEM | | | | | | | | | |
| ELEVATOR-ASSEMBLY | | | | | | | | | |
| RUDDER-ASSEMBLY | | | | | | | | | |
| RUDDER-CONTROL-SYSTEM | | | | | | | | | |
| RUDDER-CONTROL-SYSTEM | | | | | | | | | |
| GUN-TURRET-FIRE-CONTROL-SYSTEM | | | | | | | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

PART CLASS 325 FILTERS, NON-ELECTRICAL

PART DESCRIPTION FUNCTIONAL APPLICATION

65 HYDRAULIC FLUID, MECHANICAL

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION HOURS | YR RPT SRCE REF NO | CRBSS |
|-------------|--------------|---------------------|-------------------|--------------------|-------------------|
| AIR | * | 46.5731 | 96 | .0494 | 65 1227 15854000 |
| AIR | * | 55.9834 | 76 | .04113 | 66 1250 15854000 |
| AIR | * | 9.07176 | 100 | .25382 | 65 1198 15858100 |
| AIR | * | 96.4641 | 62 | .02387 | 63 1111 15860100 |
| AIR | * | 32.8942 | 640 | .07 | 61 1080 15862000A |
| AIR | * | 46.5736 | 91 | .04944 | 65 1227 15864000 |
| AIR | * | 96.4641 | 62 | .02337 | 63 1111 15866000 |
| AIR | * | 93.1472 | 78 | .02472 | 65 1227 15868000 |
| AIR | * | 27.9917 | 152 | .08226 | 66 1250 15870000 |
| AIR | 4.3756 | 17.0197 | 946 | .2454 | 65 1226 15872000 |
| AIR | 5.89761 | 15.6944 | 200 | .012 | 63 1198 15874000 |
| AIR | 6.68896 | 17.8003 | 200 | .254 | 63 1114 15876000 |
| AIR | 11.8194 | 26.321 | 100 | .25382 | 65 1198 15878000 |
| AIR | 15.7591 | 31.4929 | 100 | .25382 | 65 1198 15880000 |
| AIR | 17.5024 | 34.9765 | 946 | .22854 | 65 1226 15882000 |
| AIR | 22.7272 | 45.4178 | 204 | .17 | 63 1114 15884000 |
| AIR | 23.3726 | 41.0272 | | .25671 | 63 1123 15886000A |
| AIR | 25.1037 | 32.67 | 1194 | 1.0357 | 67 1272 15888000 |
| AIR | 28.003 | 35.9162 | 1194 | 1.0357 | 67 1272 15890000 |
| AIR | 30.5714 | 76.7328 | 74 | .07 | 61 1080 15892000 |
| AIR | 38.6292 | 51.5047 | 946 | .22854 | 65 1226 15894000 |
| GRD | 33.3233 | 129.6560 | 3 | .030 | 66 1264 15896000A |
| AIR | 35.4588 | 48.7683 | 200 | .50763 | 65 1198 15898000 |
| AIR | 36.4741 | 64.0249 | 304 | .1645 | 66 1250 15900000 |
| AIR | 38.2848 | 148.916 | 172 | .02612 | 66 1240 15902000A |
| AIR | 41.2833 | 69.4202 | 100 | .16956 | 63 1198 15904000 |
| AIR | 46.9798 | 78.9993 | 100 | .149 | 63 1114 15906000 |
| AIR | 47.1809 | 76.6377 | 100 | .16956 | 63 1198 15908000 |
| AIR | 53.6912 | 87.2127 | 100 | .149 | 63 1114 15910000 |
| AIR | 74.1501 | 108.133 | 812 | .17532 | 64 1179 15912000 |
| AIR | 83.7254 | 147.055 | 186 | .07162 | 63 1111 15914000 |
| AIR | 91.2616 | 128.06 | 812 | .17532 | 64 1179 15916000 |
| AIR | 100.671 | 142.992 | 100 | .149 | 63 1114 15918000 |
| AIR | 141.585 | 203.555 | 192 | .09888 | 65 1227 15920000 |
| AIR | 150.382 | 176.14 | 400 | .46546 | 65 1198 15922000 |
| AIR | 153.338 | 223.613 | 50 | .08478 | 63 1198 15924000 |
| AIR | 184.829 | 241.839 | | .13226 | 63 1127 15926000A |
| AIR | 200 | 77.594 | 16 | .005 | 69 1111 15928000 |
| AIR | 257.099 | 342.646 | | .08557 | 63 1123 15930000A |
| AIR | 612.516 | 745.299 | 288 | .0751 | 66 1225 15932000 |
| AIR | 42.8571 | 95.44 | 640 | .07 | 61 1080 15934000A |
| AIR | 28.5714 | 76.0328 | 640 | .07 | 61 1080 15936000A |
| AIR | 188.418 | 267.458 | | .07361 | 63 1123 15938000A |
| AIR | 480P | | | | |
| AIR | 153.139 | 595.666 | 43 | .00657 | 66 1240 15942000A |

HIGH-PRESSURE
LOW-PRESSURE
MAGNETIC
RET-2-STG
VENT-TYPE-ST-STEEL

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 325 FILTERS, NON-ELECTRICAL | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|---------------------------|-----------------------------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|----------------|
| PART DESCRIPTION | | | | | | | | RPT SACE | REF NO |
| .85 PNEUMATIC, MECHANICAL | | | | | | | | | |
| | LINE, AIR-CONTROL, ATM, AUX-POWER | | AIR | 142.857 | 240.222 | | .049 | 61 | 1082 15944000 |
| | LINE, AIR-CONTROL, ATM, AUX-POWER | | AIR | 213.333 | 299.354 | 50 | .075 | 63 | 1114 15948000 |
| | LINE, AIR-CONTROL, ATM, AUX-POWER | | AIR | 235.904 | 319.003 | 50 | .08478 | 63 | 1128 15948000 |
| | | | AIR | 236.363 | 344.69 | 320 | .055 | 61 | 1080 15950000 |
| | LINE, AIR-CONTROL, ATM, AUX-POWER | | AIR | 464.037 | 555.92 | 100 | .11637 | 65 | 1198 15952000 |
| | LINE, AIR-CONTROL, ATM, AUX-POWER | | AIR | 600 | 947.066 | 68 | .015 | 63 | 1114 15954000 |
| | LINE, AIR-CONTROL, ATM, AUX-POWER | | AIR | 738.636 | 870.477 | 102 | .088 | 63 | 1114 15956000 |
| | LINE, AIR-CONTROL, ATM, AUX-POWER | | AIR | 937.672 | 1057.72 | 50 | .12691 | 65 | 1198 15958000 |
| | ANTI-G-SUIT | | AIR | * | 176.309 | 86 | .01306 | 66 | 1240 15960000 |
| MICRONIC | ARMAMENT | | AIR | * | 5.1927 | | .44717 | 63 | 1123 15962000A |
| SCREEN | GUN/WHEEL-BRAKE/MAIN | | AIR | * | 15.4485 | | .14905 | 63 | 1123 15964000A |
| SCREEN | | | MSL | * | 2031.69 | | .00113 | 62 | 1136 15966000 |
| WIRE-MESH, C.O.D-GAS | | | | | | | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

SECTION 1 FAILURE RATE DATA

PART CLASS 377 FINS

PART DESCRIPTION

-00 M.O.C.

FUNCTIONAL APPLICATION

TAIL-ASSEMBLY
 DORSAL-EMPENNAGE
 RUDDER-FLIGHT-CONTROL-SYSTEM
 VENTRAL-AFT-FUSELAGE
 VENTRAL-FORWARD-FUSELAGE
 EMPENNAGE
 FLIGHT-CONTROLS-707-131

DORSAL-EMPENNAGE
 VERTICAL

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

FAILURE RATE UPPER PART PART PART
 90 CONF POPU- PART
 LIMIT LATION HOURS

YR
 OF DATA INDEX
 RFT SRCE REF NO

| | | | | | | |
|-----|---------|---------|--------|----|------|----------|
| AIR | * | 22.9388 | .10030 | 63 | 1123 | 15968000 |
| AIR | * | 93.1472 | .02472 | 65 | 1227 | 15970000 |
| AIR | 13.8908 | 30.9339 | .21597 | 64 | 1155 | 15972000 |
| AIR | 133.569 | 210.99 | .06733 | 63 | 1123 | 15974000 |
| AIR | 193.078 | 281.567 | .06733 | 63 | 1123 | 15976000 |
| AIR | 418.76 | 776.775 | .01194 | 63 | 1111 | 15978000 |
| AIR | * | 55.9834 | .04113 | 66 | 1250 | 15980000 |
| AIR | 270P | | | 55 | 2364 | 15982000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 332 FIREWALLS

PART DESCRIPTION

FUNCTIONAL APPLICATION

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|---|----------------------------------|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| | | | | | | | | |
| .01 M.B.C. | HORIZONTAL-ENGINE-NACELLE | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 15984000 |
| | ENGINE-NACELLE-TURBOPROP-PWR-PLT | AIR | * | 2.2679 | 400 | 1.0153 | 65 | 1198 12996000 |
| | ENGINE-NACELLE-TURBOPROP-PWR-PLT | AIR | * | 4.94672 | 400 | .46548 | 65 | 1198 15984000 |
| | VERTICAL-AFT-ENGINE-NACELLE | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 15940000 |
| | HORIZONTAL-NACELLE | AIR | 2.14832 | 8.35632 | 400 | .46548 | 65 | 1198 15920000 |
| | VERTICAL-FORWARD-ENGINE-NACELLE | AIR | 3.37109 | 13.1125 | 516 | .29664 | 65 | 1227 15984000 |
| | ENGINE-NACELLE-TURBOPROP-PWR-PLT | AIR | 5.00834 | 11.1532 | 400 | .599 | 63 | 1114 15996000 |
| | HORIZONTAL-NACELLE | AIR | 7.87975 | 15.7468 | 200 | .50763 | 65 | 1198 15984000 |
| | ENGINE-NACELLE-TURBOPROP-PWR-PLT | AIR | 8.84655 | 15.5288 | 400 | .67823 | 63 | 1198 16000000 |
| | ENGINE-NACELLE-TURBOPROP-PWR-PLT | AIR | 21.978 | 85.4879 | 124 | .0455 | 63 | 1111 16002000 |
| | ENGINE-POD/STRUT | AIR | 367.55 | 451.461 | 473 | .11427 | 65 | 1228 16004000 |
| | FUSELAGE-AFT-CENTER-SECTION | AIR | 524.754 | 638.512 | 406 | .08766 | 64 | 1179 16006000 |
| | FUSELAGE-AFT-CENTER-SECTION | AIR | 586.33 | 689.236 | 473 | .11427 | 65 | 1228 16008000 |
| | FUSELAGE-REMOVABLE-AFT | AIR | 844.17 | 984.377 | 406 | .08766 | 64 | 1179 16010000 |
| | FUSELAGE-REMOVABLE-AFT | AIR | 231.213 | 375.569 | 40 | .0346 | 66 | 1257 16012000 |
| ENGINE-FORWARD ENGINE-FORWARD ENGINE-FORWARD FUSELAGE-AFT-CENTER-SECTION FUSELAGE-REMOVABLE-AFT HORIZONTAL-ENGINE-NACELLE VERTICAL-AFT-ENGINE-NACELLE ENGINE-NACELLE | ENGINE-FORWARD | HELI | 473.559 | 831.262 | 40 | .01267 | 66 | 1257 16014000 |
| | ENGINE-FORWARD | HELI | 2037.03 | 3073.73 | 20 | .0054 | 66 | 1257 16016000 |
| | ENGINE-FORWARD | HELI | 1036.89 | 1096.61 | 597 | .51789 | 67 | 1272 16018000 |
| | FUSELAGE-AFT-CENTER-SECTION | AIR | 1154.68 | 1217.41 | 597 | .51789 | 67 | 1272 16020000 |
| | FUSELAGE-REMOVABLE-AFT | AIR | * | 13.9975 | 304 | .1642 | 66 | 1250 16022000 |
| | HORIZONTAL-ENGINE-NACELLE | AIR | 12.158 | 32.3544 | 304 | .145 | 66 | 1250 16024000 |
| | VERTICAL-AFT-ENGINE-NACELLE | AIR | 6.07779 | 13.5348 | 912 | .4536 | 66 | 1250 16026000 |
| | ENGINE-NACELLE | AIR | | | | | | |
| | ENGINE-NACELLE | AIR | | | | | | |
| | ENGINE-NACELLE | AIR | | | | | | |

NONELECTRONIC PART FAILURE RATE DATA JANUARY 1968

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

SECTION I
FAILURE RATE DATA

PART CLASS
336 FITTINGS

PART DESCRIPTION
FUNCTIONAL APPLICATION

-00 TUBING AND HOSE, N.O.C.

UPPER
50 CONF
LIMIT
PART
POPULATION
LATION
HOURS
YR
OF DATA INDEX
RPT SRCE REF NO

FAILURE
RATE
ENVIRONMENT

-00 TUBING AND HOSE, N.O.C.

UPLOCK-HOOK-SUPPORT,MAIN-LANDING-GEAR

GEAR

TRUNNION, LANDING-GEAR, NOSE
AIR-CONDITIONER-VENT-SYSTEM
AIRCRAFT-NOSE-HOLES-FUSELAGE
SPEEDBRAKE-ACTUATOR/FUEL-CELL
ATTACH.FIN, LORSAL-EMPENNAGE
ACTUATOR, DOOR, MAIN-LANDING-GEAR.

INBOARD

RADAR-REMOVAL-TRACK
PYLON-ATTACH, EXTERNAL-FUEL-TANK
TUBE, SEAT, LOWER, CARGO-COMPARTMENT
VENTRAL-FIN/FUSELAGE, FORWARD
PYLON-ATTACH, EXTERNAL-FUEL-TANK
AXLE, I-B-ENG, LANDING-GEAR, MAIN

PYLON, MISSILE

ROLLER, LOWER, DOOR, MECH. PERSONNEL-C-C

NOSE-GEAR-DRAG-LINK/FUSELAGE

AN/APQ-94-RADAR-SET, LOWER

HINGE, UPPER, RUDDER

CYLINDER, RAT, EMERGENCY, HYD-ELEC

CYLINDER, WING-ACTUATOR, FUSELAGE

HINGE, ELEVATOR, HORIZONTAL-STABILIZER

AN/AA-3-INFRARED-DETECTOR

AN/APQ-83-RADAR-SET, LOWER-CENTER

ACTUATOR, DOOR, MAIN-LANDING-GEAR.

INBOARD

CROSS-EAR-TOW, LANDING-GEAR, NOSE

AN/APQ-83-RADAR-SET, UPPER

ACTUATOR, AILERON-TRIM-TAB-SYSTEM

HINGE, CENTER, RUDDER

ACTUATING-CYLINDER, WINGFOLD

GUN-VENT-DOOR, FORWARD

GUN-BLAST-TUBE, UPPER

GUN-BLAST-TUBE, LOWER

FUEL-DRAIN, SINGLE-POINT-REFUELING

ENGINE-REMOVAL-TRACK

TUBE, SEAT, LOWER, CARGO-COMPARTMENT

HINGE, WING-SPILLER-SYSTEM

HINGE, AILERON, FLIGHT-CONTROL-SYSTEM

HINGE, WING-SPILLER-SYSTEM

ACTUATING-RED-DOOR, MAIN-LANDING-GEAR.

GEAR, INBOARD

SIDE-PRICE/CYLINDER, LANDING-GEAR.

MAIN

| UPPER | 50 CONF | LIMIT | PART | POPULATION | LATION | HOURS | YR | OF DATA INDEX | RPT SRCE REF NO |
|---------|---------|---------|--------|------------|--------|----------|----|---------------|-----------------|
| 23.1719 | 23.1719 | 23.1719 | 0.9937 | 53 | 1123 | 16029000 | | | |
| 9.89344 | 200 | | .23274 | 45 | 1198 | 16930000 | | | |
| 23.2868 | 192 | | .09888 | 65 | 1227 | 16032000 | | | |
| 46.3393 | | | .04969 | 63 | 1123 | 16034000 | | | |
| 46.3393 | | | .04969 | 63 | 1123 | 16036000 | | | |
| 46.3393 | | | .04969 | 63 | 1123 | 16038000 | | | |
| 9.32992 | 456 | | .2468 | 66 | 1250 | 16038000 | | | |
| 13.9975 | 304 | | .1645 | 66 | 1250 | 16040000 | | | |
| 47.4063 | | | .03416 | 63 | 1123 | 16042000 | | | |
| 13.5758 | 100 | | .16953 | 43 | 1198 | 16044000 | | | |
| 1.29374 | 3456 | | 1.7798 | 3 | 1227 | 16046000 | | | |
| 23.1719 | | | .09937 | 63 | 1123 | 16048000 | | | |
| 4.94672 | 400 | | .46542 | 65 | 1198 | 16050000 | | | |
| 4.94353 | 400 | | .46578 | 65 | 1198 | 16052000 | | | |
| 23.1719 | | | .09937 | 63 | 1123 | 16054000 | | | |
| 23.2868 | 192 | | .09888 | 65 | 1227 | 16056000 | | | |
| 23.1719 | | | .09937 | 63 | 1123 | 16058000 | | | |
| 264.983 | | | .00201 | 63 | 1123 | 16060000 | | | |
| 46.3393 | | | .04969 | 63 | 1123 | 16062000 | | | |
| 46.3393 | | | .04969 | 63 | 1123 | 16064000 | | | |
| 46.3393 | | | .04969 | 63 | 1123 | 16066000 | | | |
| 1.97868 | 1000 | | 1.1637 | 65 | 1198 | 16068000 | | | |
| 46.3393 | | | .04969 | 63 | 1123 | 16070000 | | | |
| 45.3273 | | | .04669 | 63 | 1123 | 16072000 | | | |
| 23.2868 | 192 | | .09888 | 65 | 1227 | 16074000 | | | |
| 19.7868 | 120 | | .11637 | 65 | 1198 | 16076000 | | | |
| 24.6636 | | | .09336 | 63 | 1123 | 16078000 | | | |
| 9.89344 | 200 | | .23274 | 65 | 1198 | 16080000 | | | |
| 46.3393 | | | .04969 | 63 | 1123 | 16082000 | | | |
| 23.1719 | | | .09937 | 63 | 1123 | 16084000 | | | |
| 23.1719 | | | .09937 | 63 | 1123 | 16086000 | | | |
| 23.1719 | | | .09937 | 63 | 1123 | 16088000 | | | |
| 24.0782 | | | .09563 | 63 | 1123 | 16090000 | | | |
| 9.07178 | 200 | | .25382 | 65 | 1198 | 16092000 | | | |
| 19.8022 | | | .11628 | 63 | 1123 | 16094000 | | | |
| 1.31364 | 5472 | | 2.961 | 66 | 1250 | 16096000 | | | |
| 4.37084 | 1728 | | .88992 | 65 | 1227 | 16100000 | | | |
| 4.50264 | 504 | | .86387 | 64 | 1195 | 16102000 | | | |
| 3.59372 | 2736 | | 1.481 | 66 | 1250 | 16104000 | | | |
| 16.7126 | 200 | | .23274 | 65 | 1198 | 16106000 | | | |
| 4.3756 | 946 | | .22854 | 65 | 1228 | 16108000 | | | |

ROPE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1962

| PART CLASS | 336 FITTINGS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POSITION | PART HOURS | VR | CRF |
|---|--------------|------------------------|-------------|--------------|-------------|---------------|------------|----|------|
| PART DESCRIPTION | | | | | | | | | |
| .00 TUBING AND NOSE, N.O.C. | | | | | | | | | |
| HINGE, COB-LANDING-GEAR, NOSE, FORWARD | AIR | | | 5.66181 | 22.1005 | 204 | .176 | 63 | 1214 |
| SIDE-BRACE/CYLINDER, LANDING-GEAR, MAIN | AIR | | | 5.76385 | 22.1062 | 812 | .1732 | 64 | 1179 |
| HINGE, COB-LANDING-GEAR, NOSE, FORWARD | AIR | | | 5.89761 | 22.9399 | 120 | .1693 | 62 | 1125 |
| HINGE, COB-LANDING-GEAR, NOSE, FORWARD | AIR | | | 6.7114 | 26.1053 | 100 | .146 | 63 | 1114 |
| SINGLE-POINT, REFUELING-RECEPT-ASSEMBLY | AIR | | | 7.24637 | 28.1862 | | .17 | 58 | 1070 |
| MAIN-TURNICN | AIR | | | 7.24637 | 19.2038 | | .176 | 59 | 1070 |
| HINGE, COB-LANDING-GEAR, NOSE, FORWARD | AIR | | | 7.8796 | 20.9487 | 100 | .25382 | 65 | 1128 |
| SIDE-BRACE/CYLINDER, LANDING-GEAR, MAIN | AIR | | | 8.68977 | 13.7163 | 1194 | 1.3357 | 67 | 1272 |
| VENTRAL-FIN/FUSELAGE | AIR | | | 10.0633 | 35.1430 | | .09957 | 62 | 1123 |
| REFUELING-INFLIGHT | AIR | | | 11.293 | 52.3265 | | .08855 | 63 | 1123 |
| DOWN-LOCK-ENGAGE-EMERGENCY. | AIR | | | 12.1565 | 47.2834 | 152 | .08226 | 65 | 1250 |
| MAIN-LANDING-GEAR | AIR | | | 12.8899 | 23.7549 | 210 | .23274 | 65 | 1198 |
| HINGE, COB-LANDING-GEAR, NOSE, FORWARD | AIR | | | 13.1086 | 22.0428 | 1754 | .534 | 52 | 1112 |
| WATER-INJECTION-SYSTEM | AIR | | | 13.891 | 21.4262 | 378 | .6479 | 64 | 1125 |
| HINGE-ELEVATOR, FLIGHT-CONTROL-SYSTEM | AIR | | | 14.4927 | 21.5673 | | .138 | 53 | 1070 |
| HINGE-TANK-VENT-FORWARD-FUSELAGE-CELL | AIR | | | 14.4927 | 38.5673 | | .136 | 59 | 1070 |
| MAIN-FUEL-UNIT-FIELD-BRAKE-DISCONNECT | AIR | | | 14.4927 | 38.5673 | | .138 | 59 | 1070 |
| HINGE-FUEL-TRANSFER | AIR | | | 14.4927 | 38.5673 | | .138 | 59 | 1070 |
| SINGLE-POINT-REFUEL-CELL-FWD-ASSEMBLY | AIR | | | 18.3486 | 48.8284 | | .109 | 59 | 1070 |
| DOWN-LOCK-ENGAGE-EMERGENCY, MAIN-LANDING-GEAR | AIR | | | 20.2265 | 78.6751 | 96 | .04944 | 55 | 1227 |
| FUEL, F/A-STARTER | AIR | | | 21.7391 | 84.3586 | 180 | .046 | 59 | 1110 |
| LEADING-EDGE-DROOP-CYLINDER/WING | AIR | | | 25.1584 | 46.6075 | | .19874 | 63 | 1123 |
| HINGE, RUDDER, FLIGHT-CONTROL-SYSTEM | AIR | | | 41.6724 | 65.7774 | 126 | .21597 | 64 | 1155 |
| AN/APC-94-NADAR-SET, UPPER | AIR | | | 43.8596 | 87.6485 | | .0912 | 63 | 1123 |
| CANOPY-COUNTERBALANCE-CABLE | AIR | | | 58.4316 | 90.0236 | | .17114 | 63 | 1123 |
| ARRESTING-GEAR-ACTUATING-CYL-FWD-END | AIR | | | 58.4316 | 108.387 | | .08357 | 63 | 1123 |
| HINGE, RUDDER, LOWER | AIR | | | 100.623 | 186.651 | | .04969 | 63 | 1123 |
| STARTER-INLET-AIR-IMPINGEMENT. | AIR | | | 166.272 | 226.678 | 473 | .11427 | 62 | 1228 |
| TURBOJET | AIR | | | 373.831 | 433.303 | 382 | .214 | 66 | 1234 |
| END-NIFE-FIRE-DETECTOR, ENGINE-COMP | HELI | | | * | 17.9442 | 288 | .12832 | 65 | 1227 |
| FIN-DORSAL-EMPENNAGE | AIR | | | * | 230360 | | .00010 | 63 | 1171 |
| STAGING, INTERSTAGE-CONNECTION | GRD | | | * | 53.1472 | 48 | .02472 | 63 | 1227 |
| STEERING, LANDING-GEAR | AIR | | | 11.3134 | 25.1944 | | .26517 | 65 | 1241 |
| AIR, TANK-NING | AIR | | | 99.5924 | 112.797 | | 1.1055 | 65 | 1146 |
| CONSTANT-SPEED-DRIVE-ELECTRIC-SYSTEM | AIR | | | 101.866 | 135.76 | 126 | .21597 | 65 | 1155 |
| AIR, TANK, CENTER-LINE-POWER-PLANT | AIR | | | 384.373 | 462.335 | | .13258 | 66 | 1241 |
| AIR, TANK, CENTER-LINE-EXTERNAL | AIR | | | 495.577 | 556.059 | | .26232 | 66 | 1241 |
| TANKS, EXTERNAL, AIR | AIR | | | 24.3161 | 48.593 | 304 | .1645 | 66 | 1250 |
| THRUST-REVERSER | AIR | | | 10.1132 | 39.3375 | 192 | .09886 | 65 | 1227 |
| HYDRAULIC, GROUND-SERVICE | AIR | | | | | | | | |
| DISCONNECTS, INLET, HYDRAULIC | AIR | | | | | | | | |
| GRUNGE-SERV-THRUST-REVERSE | AIR | | | | | | | | |

RORE AIR DEVELOPMENT CENTER, GRIFFISS AFB. N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1969

| PART CLASS | 238 FITTINGS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | GROSS INDEX |
|-----------------------------|--------------|---------------------------------------|-------------|--------------|---------------------|-----------------|------------|-----------------|----------------|
| PART DESCRIPTION | | | | | | | | APY SRCE REF NO | |
| .00 TUBING AND HOSE, N.O.C. | | | | | | | | | |
| DISCONNECTS-OUTLET. | | GROUND-SERV. THRUST-REVERSE | AIR | 10.1132 | 35.3375 | 192 | .09888 | 65 | 1227 16180000 |
| DISCONNECTS-BULBET. | | THRUST-REVERSER | AIR | 6.07902 | 23.6455 | 304 | .1645 | 66 | 1250 16180000A |
| HYDRAULIC GROUND-SERVICE | | | | | | | | | |
| DISCONNECTS-OXYGEN | | EMER-EJECT-SEAT-ANTI-G-SUIT | AIR | 497.702 | 725.802 | 172 | .02612 | 66 | 1240 16190000A |
| DISCONNECTS-PERSONNEL-LEADS | | INSTRUCTOR-SEAT | AIR | 104.269 | 124.915 | 597 | .51789 | 67 | 1272 16192000 |
| DISCONNECTS-PERSONNEL-LEADS | | STUDENT-SEAT | AIR | 167.989 | 193.508 | 597 | .51789 | 67 | 1272 16194000 |
| DISCONNECTS-STEERING | | LANDING-GEAR | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 16196000 |
| ELBOWS | | WING-ANTI-ICE-SYSTEM | AIR | * | 15.5245 | 288 | .14832 | 65 | 1227 16198000 |
| ELBOWS | | WING-ANTI-ICE-SYSTEM | AIR | * | 9.32982 | 456 | .2468 | 66 | 1250 16200000 |
| ELBOWS | | OVERBOARD-FUEL-FUSELAGE-VENT/FIN-VENT | AIR | 20.1247 | 78.2793 | | .04869 | 63 | 1123 16202000 |
| ELBOWS | | VENT-PATTERY-COMPT.DC-POWER-SUPPLY | AIR | 141.789 | 178.972 | 200 | .23274 | 65 | 1198 16204000 |
| FLANGES-BEARING | | STARTER-SHAFT-REDUCTION-GEAR | AIR | 1.947 | 7.5735 | 528 | .51361 | 65 | 1201 16206000 |
| FLANGES-EXHAUST | | TURBINE-AUXILIARY-POWER-UNIT | AIR | * | 55.9934 | 76 | .04113 | 66 | 1250 16208000A |
| FLANGES-EXHAUST | | TURBINE-AUX-POWER-UNIT | AIR | * | 53.1472 | 48 | .02472 | 65 | 1227 16210000 |
| FLANGES-SEAL | | COMPRESSOR-POWER-SECTION | AIR | 2.73059 | 1.6212 | 244 | .36622 | 65 | 1201 16212000 |
| HYDRAULIC-SWIVEL | | LANDING-GEAR-MAIN | AIR | 107.202 | 129.625 | 1892 | .45798 | 65 | 1228 16214000 |
| HYDRAULIC-SWIVEL | | LANDING-GEAR-MAIN | AIR | 165.411 | 194.877 | 1624 | .35064 | 64 | 1179 16216000 |
| HYDRAULIC-SWIVEL | | LANDING-GEAR-NOSE | AIR | 192.526 | 235.33 | 946 | .22854 | 65 | 1228 16218000 |
| HYDRAULIC-SWIVEL | | LANDING-GEAR-NOSE | AIR | 387.862 | 455.375 | 812 | .17532 | 64 | 1179 16220000 |
| LADDER-ATTACH | | VERTICAL-STABILIZER | AIR | * | 1.69745 | 800 | 1.3565 | 63 | 1198 16222000 |
| LADDER-ATTACH | | VERTICAL-STABILIZER | AIR | * | 1.00805 | 800 | 2.2842 | 65 | 1198 16224000 |
| LADDER-ATTACH | | VERTICAL-STABILIZER | AIR | * | 2.47333 | 800 | .93037 | 65 | 1198 16226000 |
| LATCH-ENGAGE | | DOOR-EMERGENCY-FORWARD-ESCAPE. | AIR | * | 27.6917 | 152 | .08226 | 66 | 1250 16228000A |
| LATCH-ENGAGE | | CARGO | | | | | | | |
| LINK | | DOOR-EMERG.FWD-ESCAPE.CARGO | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 16230000 |
| MECHANICAL | | OUTER-WING-FLAP-ASSEMBLY | AIR | * | 4.94672 | 400 | .46548 | 65 | 1198 16232000 |
| MECHS-FILLER | | | LAB | 1 | | | | 63 | 1136 16234000 |
| OIL-LINE | | RESERVOIR.OIL.TURBOJET.J-35 | AIR | 21.878 | 40.5823 | 946 | .22854 | 65 | 1228 16236000 |
| OVERBOARD-VENT | | ENGINE | AIR | 2.71739 | 10.5698 | 1280 | .368 | 59 | 1110 16238000 |
| OVERBOARD-VENT | | FUEL-SYSTEM | AIR | * | 2.47333 | 800 | .93037 | 65 | 1198 16240000 |
| OVERBOARD-VENT | | FUEL-SYSTEM | AIR | * | 3.0 '96 | 300 | .76145 | 65 | 1198 16242000 |
| OVERBOARD-VENT | | FUEL-SYSTEM | AIR | * | 6.70992 | 200 | .33912 | 63 | 1198 16244000 |
| PIVOT | | INFLIGHT-REFUELING-PROBE | AIR | * | 46.3393 | | .04969 | 63 | 1123 16246000 |
| PIVOT | | NOSE-LANDING-GEAR-CENTER-LOCK | AIR | * | 27.4063 | | .03416 | 63 | 1123 16248000 |
| PIVOT | | ACTUATING-CYLINDER-MAIN-LANDING-GEAR | AIR | * | 23.1719 | | .09937 | 63 | 1123 16250000 |
| PIVOT | | AILERON | AIR | 50.3169 | 93.335 | | .09937 | 63 | 1123 16252000 |
| PIVOT | | POINT-FORWARD-SPEEDBRAKE | AIR | 553.486 | 661.96 | | .09937 | 63 | 1123 16254000 |
| PIVOT | | FLAP-BELLCRANK.WING | AIR | * | 23.1719 | 304 | .09937 | 63 | 1123 16256000 |
| PIVOT | | AIR-CONDITIONER-VENT-SYSTEM | AIR | * | 13.9975 | | .1645 | 66 | 1250 16258000 |
| PLUGS | | PYLON-HOLES.WING | AIR | * | 799.513 | | .00288 | 63 | 1123 16260000 |
| PLUGS | | REDUCTION-GEAR | AIR | 1.50413 | 3.34961 | 1716 | 1.9945 | 65 | 1201 16262000 |
| PLUGS | | SUMP-REDUCTION.ENGINE-OIL-SYSTEM | AIR | 1.96993 | 7.66247 | 200 | .50763 | 65 | 1198 16264000 |
| PLUGS | | SUMP-REDUCTION.ENGINE-OIL-SYSTEM | AIR | 2.14832 | 8.35632 | 400 | .46548 | 65 | 1198 16266000 |
| PLUGS | | SUMP-ENGINE-OIL-SYSTEM | AIR | 2.14832 | 8.35632 | 400 | .46548 | 65 | 1198 16268000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA
JANUARY 1968

| PART CLASS | 336 FITTINGS | FUNCTIONAL APPLICATION | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR RPT SRC | CROSS INDEX REF NO |
|-----------------------------|----------------------------------|------------------------|--------------|---------------------|-----------------|------------|------------|--------------------|
| PART DESCRIPTION | | | ENVIRONMENT | | | | | |
| -00 TUBING AND NOSE, E.O.C. | | | | | | | | |
| PLUGS | SUMP-ENGINE-OIL-SYSTEM | AIR | 2.83286 | 11.0139 | 408 | .353 | 63 | 1114 16270000 |
| PLUGS | SUMP-REDUCTION-ENGINE-OIL-SYSTEM | AIR | 2.9488 | 11.4699 | 200 | .33912 | 63 | 1198 16272000 |
| PLUGS | SUMP-ENGINE-OIL-SYSTEM | AIR | 2.9488 | 11.4699 | 200 | .33912 | 63 | 1198 16274000 |
| PLUGS | SUMP-ENGINE-OIL-SYSTEM | AIR | 3.34448 | 13.009 | 200 | .299 | 63 | 1114 16276000 |
| PLUGS | SUMP-REDUCTION-ENGINE-OIL-SYSTEM | AIR | 3.34448 | 13.009 | 200 | .299 | 63 | 1114 16278000 |
| PLUGS | SUMP-ENGINE-OIL-SYSTEM | AIR | 3.93987 | 10.4846 | 200 | .50763 | 63 | 1198 16280000 |
| PLUGS | PROPELLOR-ASSEMBLY | AIR | 5.89761 | 15.6944 | 200 | .23912 | 63 | 1198 16282000 |
| PLUGS | HYDROMATIC-PROPELLOR | AIR | 6.68896 | 17.8003 | 200 | .299 | 63 | 1114 16284000 |
| PLUGS | SUMP-REDUCTION-ENGINE-OIL-SYSTEM | AIR | 8.49858 | 18.9257 | 408 | .353 | 63 | 1114 16286000 |
| PLUGS | SUMP-GEARBOX-ACCESSORY-DRIVE | AIR | 17.5024 | 34.9735 | 546 | .22854 | 65 | 1228 16288000 |
| PLUGS | SUMP-GEARBOX-ACCESSORY-DRIVE | AIR | 28.5192 | 52.9015 | 812 | .17532 | 64 | 1179 16290000 |
| PLUGS | PROPELLOR-ASSEMBLY | AIR | 85.9328 | 106.105 | 400 | .46548 | 65 | 1198 16292000 |
| PLUGS | PROPELLOR-ASSEMBLY | AIR | 193.053 | 220.526 | 200 | .50763 | 65 | 1198 16294000 |
| PLUGS | HYDROMATIC-PROPELLOR | AIR | 229.461 | 265.716 | 408 | .353 | 63 | 1114 16296000 |
| PLUGS | EXHAUST-707-131 | AIR | 60P | | | | 66 | 2361 16298000 |
| EXHAUST-THRUST-REVERSER | | | | | | | | |
| PLUGS-ADAPTER | C/C-OXYGEN-SYSTEM | AIR | * | 13.3067 | 336 | .17304 | 65 | 1227 16300000 |
| PLUGS-ADAPTER | CARGO-COMPARTMENT-OXYGEN-SYSTEM | AIR | * | 7.29791 | 532 | .2879 | 66 | 1250 16302000 |
| PLUGS-BALANCE | RUDDER-TRIM-CONTROL | AIR | * | 96.4641 | 62 | .02387 | 63 | 1111 16304000 |
| PLUGS-DETECTOR-CHIP | 90-DEGREE-GEAR-BOX | HELI | 555.555 | 1237.18 | 20 | .0054 | 66 | 1227 16306000A |
| PLUGS-DETECTOR-CHIP | 42-DEGREE-GEAR-BOX | HELI | 925.925 | 1717.53 | 20 | .0054 | 66 | 1257 16308000 |
| PLUGS-DRAIN | ACCESSORY-BASIC-ENGINE | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 16310000 |
| PLUGS-DRAIN | ACCESSORY-BASIC-ENGINE | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 16312000 |
| PLUGS-DRAIN | COOLER-ENGINE-OIL-SYSTEM | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 16314000 |
| PLUGS-DRAIN | COOLER-ENGINE-OIL-SYSTEM | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 16316000 |
| PLUGS-DRAIN | CONSTANT-SPEED-DRIVE-OIL-SYSTEM | AIR | 6.07902 | 23.2868 | 304 | .1645 | 66 | 1250 16318000 |
| PLUGS-DRAIN-MAGNETIC | CSD-OIL-SYSTEM | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 16320000 |
| PLUGS-DRAIN-MAGNETIC | HEIST-MAINTENANCE | HELI | 28.9017 | 112.419 | 40 | .0346 | 66 | 1257 16322000 |
| PLUGS-IGNITER | AUX-POWER-UNIT | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 16324000 |
| PLUGS-IGNITER | IGNITION/ELECTRICAL-SYSTEMS | AIR | .250696 | .975131 | 3432 | 3.9889 | 65 | 1201 16326000 |
| PLUGS-IGNITER | IGNITION/ELECTRICAL-SYSTEMS | AIR | 17.1863 | 24.1163 | 800 | .93097 | 65 | 1198 16328000 |
| PLUGS-IGNITER | ENGINE | HELI | 28.9017 | 76.9118 | 80 | .0692 | 66 | 1257 16330000 |
| PLUGS-IGNITER | IGNITION/ELECTRICAL-SYSTEMS | AIR | 41.367 | 50.811 | 400 | 1.0153 | 65 | 1198 16332000 |
| PLUGS-IGNITER | IGNITION/ELECTRICAL-SYSTEMS | AIR | 42.4929 | 54.2706 | 816 | .706 | 63 | 1114 16334000 |
| PLUGS-IGNITER | GAS-TURBINE-COMPR-AUX-POWER-PLT | AIR | 48.6263 | 79.7 | 100 | .11631 | 65 | 1198 16336000 |
| PLUGS-IGNITER | AUXILIARY-POWER-UNIT | AIR | 66.6666 | 129.401 | 76 | .04113 | 66 | 1250 16338000A |
| PLUGS-IGNITER | GAS-TURBINE-COMPR-AUX-POWER-PLT | AIR | 66.6666 | 123.662 | 102 | .075 | 63 | 1114 16340000 |
| PLUGS-IGNITER | GAS-TURBINE-COMPR-AUX-POWER-PLT | AIR | 70.1168 | 259.313 | 68 | .015 | 63 | 1114 16342000 |
| PLUGS-IGNITER | IGNITION/ELECTRICAL-SYSTEMS | AIR | 73.7213 | 86.1243 | 400 | .599 | 63 | 1114 16344000 |
| PLUGS-IGNITER | IGNITION/ELECTRICAL-SYSTEMS | AIR | 89.9661 | 89.9661 | 400 | .67823 | 63 | 1198 16346000 |
| PLUGS-IGNITER | GAS-TURBINE-COMPR-AUX-POWER-PLT | AIR | 94.5551 | 140.111 | 50 | .12691 | 65 | 1198 16348000 |
| PLUGS-IGNITER | GAS-TURBINE-COMPR-AUX-POWER-PLT | AIR | 165.133 | 237.414 | 50 | .08478 | 63 | 1198 16350000 |
| PLUGS-IGNITER | GAS-TURBINE-COMPR-AUX-POWER-PLT | AIR | 173.333 | 252.772 | 50 | .075 | 63 | 1114 16352000 |
| PLUGS-IGNITER | MAIN-TURBOJET-J-85 | AIR | 306.292 | 358.755 | 946 | .22854 | 65 | 1228 16354000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1966

| PART CLASS | 336 FITTINGS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|--|-----------------------------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|-------------|
| PART DESCRIPTION | | | | | | | | | |
| -00 TUBING AND HOSE, N.O.C. | | | | | | | | | |
| PLUGS-IGNITER | AFTERBURNER-TURBOJET-J-85 | AIR | 341.296 | 396.357 | 946 | .22854 | 65 | 1228 | 16358000 |
| PLUGS-MAGNETIC-DRAIN | REDUCTION-GEAR | AIR | 1.947 | 7.57325 | 528 | .51361 | 65 | 1201 | 16360000 |
| PLUGS-MAGNETIC-DRAIN | REDUCTION-GEAR | AIR | 7.91264 | 17.6209 | 400 | .37914 | 65 | 1201 | 16362000 |
| PLUGS-MAGNETIC-DRAIN-OIL | CONSTANT-SPEED-DRIVE | AIR | 14.2857 | 55.5671 | 640 | .07 | 62 | 1080 | 16364000A |
| PLUGS-MAGNETIC-DRAIN-OIL | TURBOJET-J-85 | AIR | 17.5024 | 34.9765 | 946 | .22854 | 65 | 1228 | 16365000 |
| PNEUMATIC | ENGINE-STARTER-SYSTEM | AIR | 29.4521 | 65.508 | 812 | .10186 | 64 | 1179 | 16368000 |
| PNEUMATIC | ENGINE-STARTER-SYSTEM-J-85 | AIR | 13.1576 | 35.0151 | 528 | .152 | 59 | 1110 | 16370000 |
| ROLLER-LOWER | DOOR-MECHANICAL-PERSONNEL | AIR | 136.892 | 202.846 | 406 | .08766 | 64 | 1179 | 16372000 |
| | CARGO-COMPARTMENT | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 | 16374000 |
| SHAFT/CRANK | THRUSTLE | AIR | * | 46.3393 | | .04969 | 63 | 1123 | 16376000 |
| SLEEVES | CONNECTOR-DUCT-FLOOR-HEAT-SYSTEM | AIR | * | 55.9834 | 76 | .04113 | 66 | 1259 | 16378000A |
| SLEEVES | CONNECTOR-DUCT-FLOOR-HEAT-SYSTEM | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 16380000 |
| SLEEVES | STEERING-COLLAR-LANDING-GEAR-NOSE | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 | 16382000 |
| SLEEVES | CENTER-TORQUEMETER-REDUCTION-GEAR | AIR | 3.00827 | 5.28057 | 1716 | 1.9945 | 65 | 1261 | 16384000 |
| SLEEVES | TORQUEMETER-CENTER-REDUCTION-GEAR | AIR | 13.1877 | 24.4824 | 400 | .37914 | 65 | 1201 | 16386000 |
| SLEEVES | SHAFT-INNER-CENTER-TORQUEMETER | AIR | 18.8107 | 28.9811 | 528 | .53161 | 65 | 1201 | 16388000 |
| SLEEVES-FAN-EXIT | ELECTRONIC-COILING-SYSTEM | AIR | * | 15.5245 | 288 | .14832 | 65 | 1227 | 16390000 |
| SLEEVES-FAN-EXIT | ELECTRONIC-COILING-SYSTEM | AIR | * | 9.32982 | 456 | .2468 | 66 | 1250 | 16392000 |
| SLEEVES-OBTURATING-FORWARD | AFT-20MM-GUN | AIR | 18.75R | 26.6155R | 16 | .8R | 64 | 1134 | 16394000 |
| SLEEVES-OBTURATING-FORWARD | 2MM-GLN | GRD | 28.75R | 38.0666R | 16 | .8R | 64 | 1134 | 16396000 |
| SLEEVES-OIL-INLET | POWER-SECTION | GRD | 9.72242 | 25.8728 | 260 | .20571 | 65 | 1201 | 16398000 |
| SLEEVES-AND-SLIDERS | HYDRAULIC-POWER-CONTROL-ROUDDER | AIR | * | 23.1719 | | .09937 | 63 | 1123 | 16400000 |
| SLEEVES-AND-SLIDERS | HYDRAULIC-POWER-CONTROL-AILERON | AIR | * | 11.5855 | | .19874 | 63 | 1123 | 16402000 |
| SLEEVES-AND-SPOOLS-VALVE | | LAB | * | 1.48554C | 3 | 1.55C | 66 | 1264 | 16404000A |
| HYDRAULIC | | | | | | | | | |
| TIE-DOWN | CARGO-COMPARTMENT | AIR | .468614 | 1.58938 | 4752 | 2.4473 | 65 | 1227 | 16406000 |
| TIE-DOWN | CARGO-COMPARTMENT | AIR | .982318 | 1.96305 | 7524 | 4.072 | 66 | 1250 | 16408000 |
| TUBING | AIR-REFUELING-SYSTEM | AIR | 3.28947 | 12.795 | 1056 | .304 | 59 | 1110 | 16410000 |
| TUBING | OIL-PRESSURE-GAGE-SYSTEM | AIR | 142.857 | 380.164 | 48 | .014 | 59 | 1110 | 16412000 |
| TUBING-FLEXIBLE | (STORAGE) | MSL | .00005 | | | | 65 | 2440 | 16414000 |
| TUBING-RIGID | (STORAGE) | MSL | .00001 | | | | 65 | 2440 | 16416000 |
| 4-WAY | LOADER-20MM-GUN | AIR GND | 30R | 66.808R | 7 | .1R | 64 | 1134 | 16418000 |
| .70 TUBING AND HOSE, SWIVEL CONNECTION | | | | | | | | | |
| HYDRAULIC | DOOR-HYDRAULIC-CARGO-RAMP | AIR | * | 23.2868 | 192 | .05888 | 65 | 1227 | 16420000 |
| HYDRAULIC | DOOR-HYDRAULIC-CARGO-RAMP | AIR | 6.07902 | 23.6455 | 304 | .1645 | 66 | 1250 | 16422000 |
| HYDRAULIC | LANDING-GEAR | AIR | 64.0186 | 71.6133 | 3952 | 2.14 | 66 | 1250 | 16424000 |
| HYDRAULIC | LANDING-GEAR | AIR | 84.9514 | 104.345 | 960 | .4944 | 65 | 1227 | 16426000 |
| HYDRAULIC | STEERING | AIR | 26.2265 | 78.6751 | 96 | .04944 | 65 | 1227 | 16428000 |
| HYDRAULIC | STEERING-GEAR-NOSE | AIR | 29.6815 | 44.7872 | 684 | .3706 | 66 | 1250 | 16430000 |
| HYDRAULIC | LANDING-GEAR-MAIN | AIR | 30.3398 | 53.2569 | 384 | .19776 | 65 | 1227 | 16432000 |
| HYDRAULIC | LANDING-GEAR-NOSE | AIR | 40.453 | 71.0093 | 288 | .14832 | 65 | 1227 | 16434000 |
| HYDRAULIC | LANDING-GEAR-MAIN | AIR | 77.802 | 91.8095 | 1520 | .8226 | 66 | 1250 | 16436000 |

ARMED AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

[illegible]

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 338 FLAPS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|-------------------------|-----------|------------------------|-------------|--------------|-------------|-------------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| .00 N.G.C. | | | | | | | | | |
| FLIGHT-CONTROL-SYSTEM | | | | | | | | | |
| AIR-EXIT | WING | WING | AIR | 46.3027 | 71.3360 | 126 | .21597 | 64 | 1155 16490000 |
| AIR-EXIT | WING | WING | AIR | 77.9944 | 90.3728 | | 1.077 | 63 | 2115 16492000 |
| AIR-EXIT | WING | WING | AIR | 94.7368 | 100.296 | | .190 | 63 | 2128 16494000 |
| AIR-EXIT | WING | WING | AIR | 670.297 | 940.578 | 62 | .02387 | 63 | 1111 16496000 |
| DOOR | WING | WING | AIR | 4.29664 | 11.434 | 400 | .46548 | 65 | 1198 16498000 |
| DOOR | WING | WING | AIR | 9.84969 | 18.2705 | 200 | .50763 | 65 | 1198 16500000 |
| DOOR | WING | WING | AIR | 14.744 | 27.3493 | 200 | .33912 | 63 | 1193 16502000 |
| DOOR | WING | WING | AIR | 16.7224 | 31.019 | 200 | .299 | 63 | 1114 16504000 |
| DOOR | WING | WING | AIR | 43.4488 | 52.9863 | 1194 | 1.0357 | 67 | 1272 16506000 |
| DOOR | WING | WING | AIR | 40.1316 | 72.6268 | 546 | .22854 | 65 | 1228 16508000 |
| DOOR | WING | WING | AIR | 51.3347 | 81.0289 | 812 | .17532 | 64 | 1179 16510000 |
| DOOR | WING | WING | AIR | 340P | | | | 65 | 2361 16512000 |
| DOOR | WING | WING | AIR | 190P | | | | 65 | 2364 16514000 |
| DOOR | WING | WING | AIR | 21.0526 | 42.0713 | | .190 | 63 | 2128 16516000 |
| DOOR | WING | WING | AIR | 125.484 | 167.238 | 812 | .17532 | 64 | 1179 16518000 |
| DOOR | WING | WING | AIR | 231.906 | 278.312 | 946 | .22854 | 65 | 1228 16520000 |
| DOOR | WING | WING | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 16522000 |
| DOOR | WING | WING | AIR | * | 9.07178 | 100 | .25382 | 65 | 1198 16524000 |
| DOOR | WING | WING | AIR | 4.29664 | 16.7126 | 200 | .23274 | 65 | 1198 16526000 |
| DOOR | WING | WING | AIR | 35.3857 | 62.1142 | 100 | .16956 | 63 | 1198 16528000 |
| DOOR | WING | WING | AIR | 40.2684 | 70.6852 | 100 | .149 | 63 | 1114 16530000 |
| DOOR | WING | WING | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 16532000 |
| DOOR | WING | WING | AIR | * | 23.1719 | | .09937 | 63 | 1123 16534000 |
| DOOR | WING | WING | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 16536000 |
| DOOR | WING | WING | AIR | 3.9398 | 15.3246 | 100 | .25382 | 65 | 1198 16538000 |
| DOOR | WING | WING | AIR | 5.68181 | 22.1005 | 204 | .176 | 63 | 1114 16540000 |
| DOOR | WING | WING | AIR | 12.8899 | 26.7049 | 200 | .23274 | 65 | 1198 16542000 |
| DOOR | WING | WING | AIR | 76.669 | 111.806 | 100 | .16956 | 63 | 1198 16544000 |
| DOOR | WING | WING | AIR | 87.2463 | 127.234 | 100 | .149 | 63 | 1114 16546000 |
| DOOR | WING | WING | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 16548000 |
| DOOR | WING | WING | AIR | 384.281 | 410.16 | 1194 | 1.0357 | 67 | 1272 16550000 |
| .10 FLAPERON-FLAPERETTE | | | | | | | | | |
| WING | | | AIR | 63.1363 | 74.1255 | | 1.077 | 63 | 2115 16552000 |

ROME A.R. DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTROSTATIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 350 FRAMES

PART DESCRIPTION

.00 M.S.C.

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|---|------------------------|-------------|--------------|-------------|-----------------|------------|------------|-------------|
| | | | | | | | | |
| DOOR-EMERGENCY-SIDE-EXIT | AIR | * | 27.1597 | 50 | .08478 | 6 | 1198 | 16572000 |
| DOOR-EMERGENCY-FORWARD-EXIT-TOP | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 | 16574000 |
| DOOR-HYDRAULIC-AFT-CARGO | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 | 16576000 |
| CANOPY-INSTRUCTOR | AIR | * | 26.2673 | 406 | .08766 | 64 | 1179 | 16578000 |
| DOOR-EMERGENCY-SIDE-EXIT | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 | 16580000 |
| DOOR-EMERGENCY-FORWARD-EXIT-TOP | AIR | * | 27.1597 | 50 | .08478 | 63 | 1198 | 16582000 |
| WING-ATTACH-FWD-FUSELAGE-CENTER | AIR | * | 46.5736 | 96 | .08944 | 65 | 1227 | 16584000 |
| WING-ATTACH-AFT-FUSELAGE-CENTER | AIR | * | 46.5736 | 96 | .08944 | 65 | 1227 | 16586000 |
| DOOR-EMERGENCY-FORWARD-EXIT-TOP | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 | 16588000 |
| DOOR-HYDRAULIC-CARGO-RAMP | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 16590000 |
| DOOR-EMERGENCY-AFT-ESCAPE-HATCH-CARGO-COMPARTMENT | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 16592000 |
| WINDSHIELD-INSTRUCTOR | AIR | * | 26.2673 | 406 | .08766 | 64 | 1179 | 16594000 |
| STABILIZER-VERTICAL | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 | 16596000 |
| STABILIZER-VERTICAL | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 | 16598000 |
| STABILIZER-VERTICAL | AIR | * | 27.1597 | 50 | .08478 | 63 | 1198 | 16600000 |
| DOOR-ELECTRIC-GAS-TURBINE-COMPRESSOR-INTAKE | AIR | * | 9.07178 | 100 | .25382 | 65 | 1193 | 16602000 |
| STABILIZER-HORIZONTAL | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 | 16604000 |
| DOOR-ELECTRIC-GAS-TURBINE-COMPRESSOR-INTAKE | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 | 16606000 |
| DOOR-HYDRAULIC-AFT-CARGO | AIR | * | 27.1597 | 50 | .08478 | 63 | 1198 | 16608000 |
| ALTERNATE-CONTROL-SYSTEM | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 | 16610000 |
| DOOR-EMERGENCY-SIDE-EXIT | AIR | * | 23.2828 | 192 | .08888 | 65 | 1227 | 16612000 |
| DOOR-ELECTRIC-ASSIST-TAKE-OFF-SPILER | AIR | * | 9.07178 | 100 | .25382 | 65 | 1198 | 16614000 |
| DOOR-HYDRAULIC-AFT-CARGO | AIR | * | 16.1435 | 50 | .12691 | 65 | 1198 | 16616000 |
| DOOR-HYDRAULIC-FORWARD-CARGO | AIR | * | 27.1597 | 50 | .08478 | 63 | 1198 | 16618000 |
| DOOR-EMERGENCY-CENTER-EXIT-TOP | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 | 16620000 |
| DOOR-ELECTRIC-ASSIST-TAKE-OFF-SPILER | AIR | * | 13.5798 | 100 | .18958 | 63 | 1198 | 16622000 |
| NACELLE | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 | 16624000 |
| NACELLE | AIR | * | 4.53598 | 200 | .50763 | 65 | 1198 | 16626000 |
| NACELLE | AIR | * | 6.78992 | 200 | .33912 | 63 | 1198 | 16628000 |
| MOUNTING-AMPLIFIER-BOMBING-RADAR-ASB-36 | AIR | * | 192.847 | 31 | .01194 | 63 | 1111 | 16630000 |
| MOUNTING-AMPLIFIER-AUTO-FLIGHT-CONTROL | AIR | * | 55.3775 | 195 | .04158 | 64 | 1181 | 16632000 |
| DOOR-EMERGENCY-AFT-EXIT-TOP | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 | 16634000 |
| MAIN LANDING-GEAR-MAIN-ATTACH-FUSELAGE-CENTER | AIR | * | 8.08752 | 54 | .28471 | 65 | 1209 | 16636000 |
| DOOR-EMERGENCY-ESCAPE-HATCH-CARGO-COMPARTMENT | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 | 16638000 |
| DOOR-EMERGENCY-ESCAPE-HATCH-CARGO-COMPARTMENT | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 16640000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 340 FRAMES | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA INDEX | CROSS RPT SRCE REF NO |
|-------------|----------------------------|------------------|------------------------|-------------|--------------|---------------------|-------------------|------------|------------------|-----------------------|
| DOOR | HYDRAULIC-FORWARD-CARGO | DOOR | DOOR | AIR | 3.56694 | 18.1435 | 50 | .12631 | 65 | 1198 16730000 |
| DOOR | MECHANICAL-PARATROOP | DOOR | DOOR | AIR | 5.89761 | 13.8739 | 54 | .28036 | 65 | 1209 16732000 |
| DOOR | MECHANICAL-PARATROOP | DOOR | DOOR | AIR | 6.7114 | 22.9399 | 100 | .16956 | 63 | 1198 16734000 |
| CANOPY | INSTRUCTOR | CANOPY | CANOPY | AIR | 8.7512 | 26.1053 | 100 | .149 | 63 | 1114 16736000 |
| CANOPY | STUDENT | CANOPY | CANOPY | AIR | 8.7512 | 34.0395 | 473 | .11427 | 65 | 1228 16738000 |
| CANOPY | STUDENT | CANOPY | CANOPY | AIR | 11.4077 | 34.0395 | 473 | .11427 | 65 | 1228 16740000 |
| STABILIZER | HORIZONTAL | STABILIZER | STABILIZER | AIR | 23.5904 | 44.3725 | 406 | .08166 | 64 | 1179 16742000 |
| FUSELAGE | WHEEL-FAIRING | FUSELAGE | FUSELAGE | AIR | 23.5904 | 62.7777 | 50 | .08478 | 63 | 1198 16744000 |
| DOOR | MAIN-LANDING-GEAR-OUTBOARD | DOOR | DOOR | AIR | 25.7798 | 47.1428 | 100 | .16954 | 63 | 1198 16746000 |
| STABILIZER | HORIZONTAL | STABILIZER | STABILIZER | AIR | 26.6666 | 57.4099 | 100 | .11637 | 65 | 1198 16748000 |
| FUSELAGE | WHEEL-FAIRING | FUSELAGE | FUSELAGE | AIR | 26.8456 | 70.964 | 50 | .075 | 63 | 1114 16750000 |
| WINDSHIELD | STUDENT | WINDSHIELD | WINDSHIELD | AIR | 35.0048 | 53.6479 | 100 | .149 | 63 | 1114 16752000 |
| WINDSHIELD | INSTRUCTOR | WINDSHIELD | WINDSHIELD | AIR | 43.756 | 69.9531 | 473 | .11427 | 65 | 1228 16754000 |
| FLIGHT-UNIT | COMPARATOR | FLIGHT-UNIT | FLIGHT-UNIT | AIR | 45.6308 | 81.1647 | 473 | .11427 | 65 | 1228 16756000 |
| FLIGHT-UNIT | COMPARATOR | FLIGHT-UNIT | FLIGHT-UNIT | AIR | 83.752 | 91.1881 | 406 | .08766 | 64 | 1179 16758000 |
| FLIGHT-UNIT | COMPARATOR | FLIGHT-UNIT | FLIGHT-UNIT | AIR | 83.752 | 325.77 | 31 | .31194 | 63 | 1111 16760000 |
| FLIGHT-UNIT | COMPARATOR | FLIGHT-UNIT | FLIGHT-UNIT | AIR | 83.752 | 325.77 | 31 | .01194 | 63 | 1111 16762000 |
| FUSELAGE | WHEEL-FAIRING | FUSELAGE | FUSELAGE | AIR | 137.452 | 192.932 | 100 | .11637 | 65 | 1198 16764000 |
| FLIGHT-UNIT | RANGE-RADAR-PRESENT | FLIGHT-UNIT | FLIGHT-UNIT | AIR | 167.504 | 445.753 | 31 | .01194 | 63 | 1111 16766000 |
| RELAY | HEADING-VELOCITY | RELAY | RELAY | AIR | 167.504 | 445.753 | 31 | .01194 | 63 | 1111 16768000 |
| SPEED-BRAKE | ASSEMBLY | SPEED-BRAKE | SPEED-BRAKE | AIR | 201.277 | 266.503 | 473 | .11427 | 65 | 1228 16770000 |
| RELAY | LONGITUDE | RELAY | RELAY | AIR | 251.256 | 559.53 | 31 | .01194 | 63 | 1111 16772000 |
| RELAY | RANGE-COORDINATE | RELAY | RELAY | AIR | 335.008 | 669.476 | 31 | .01194 | 63 | 1111 16774000 |
| RELAY | MEMORY-POINT | RELAY | RELAY | AIR | 335.008 | 669.476 | 31 | .01194 | 63 | 1111 16776000 |
| RELAY | LATITUDE | RELAY | RELAY | AIR | 502.512 | 882.085 | 31 | .01194 | 63 | 1111 16778000 |
| RELAY | AZIMUTH | RELAY | RELAY | AIR | 586.264 | 985.837 | 31 | .01194 | 63 | 1111 16780000 |
| RELAY | HEADING | RELAY | RELAY | AIR | 670.016 | 1088.33 | 31 | .01194 | 63 | 1111 16782000 |
| DOOR | LANDING-GEAR-OUTBOARD | DOOR | DOOR | AIR | 34.7564 | 47.8022 | 597 | .51789 | 67 | 1272 16784000 |
| DOOR | LANDING-GEAR | DOOR | DOOR | AIR | 79.1673 | 97.4917 | 597 | .51789 | 67 | 1272 16786000 |
| DOOR | LANDING-GEAR | DOOR | DOOR | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 16788000 |
| DOOR | LANDING-GEAR | DOOR | DOOR | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 16790000 |
| DOOR | LANDING-GEAR | DOOR | DOOR | AIR | * | 35.9834 | 76 | .04113 | 66 | 1250 16792000 |
| DOOR | LANDING-GEAR | DOOR | DOOR | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 16794000 |
| DOOR | LANDING-GEAR | DOOR | DOOR | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 16796000 |
| DOOR | LANDING-GEAR | DOOR | DOOR | AIR | * | 35.9834 | 76 | .04113 | 65 | 1250 16798000 |
| DOOR | LANDING-GEAR | DOOR | DOOR | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 16800000 |

ROME AIR DEVELOPMENT CENTER, CRIFESS AFB, ALA. SECTION 1 FAILURE RATE DATA

MANUFACTURING PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 340 FRAMES | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART TYPE | YR | CROSS |
|------------------------------|------------|-----------------------------------|-------------|--------------|-------------|-----------|----|---------------|
| PART DESCRIPTION | | | | | | | | |
| DOOR, EMERGENCY | | FORWARD-ESCAPE-HATCH | AIR | * | 55.9834 | 76 | 66 | 1250 16802000 |
| DOOR, EMERGENCY | | FORWARD-ESCAPE-HATCH | AIR | * | 55.9834 | 76 | 66 | 1250 16802000 |
| DOOR, EMERGENCY | | CARGO-COMPARTMENT | AIR | * | 13.3275 | 304 | 66 | 1250 16804000 |
| DOOR, HYDRAULIC | | CARGO-RAMP | AIR | * | 55.9834 | 76 | 66 | 1250 16808000 |
| DOOR, HYDRAULIC | | PETAL | AIR | 12.1565 | 47.2854 | 152 | 66 | 1250 16810000 |
| DOOR, HYDRAULIC, PRESSURE | | | AIR | * | 55.9834 | 76 | 66 | 1250 16812000 |
| DOOR, MECHANICAL | | FORWARD-ENTRANCE | AIR | * | 55.9834 | 76 | 66 | 1250 16814000 |
| DOOR, MECHANICAL, FS1399 | | | AIR | * | 55.9834 | 76 | 66 | 1250 16816000 |
| DOOR, MECHANICAL, PERSONNEL | | CARGO-COMPARTMENT | AIR | * | 27.9917 | 152 | 66 | 1250 16818000 |
| FUSELAGE, LOWER | | | HELI | 202.312 | 346.199 | 40 | 66 | 1257 16820000 |
| INTERCOSTALS | | FUSELAGE, AFT, BELOW-M-200 | AIR | * | 19.7868 | 100 | 65 | 1198 16822000 |
| INTERCOSTALS | | FUSELAGE, CENTER, ABOVE-M-200 | AIR | * | 19.7868 | 100 | 65 | 1198 16824000 |
| INTERCOSTALS | | FUSELAGE, FWD, BELOW-M-200 | AIR | * | 19.7868 | 100 | 65 | 1198 16826000 |
| INTERCOSTALS | | FUSELAGE, CENTER, BELOW-M-200 | AIR | * | 18.1435 | 50 | 65 | 1198 16828000 |
| INTERCOSTALS | | FUSELAGE, CENTER, ABOVE-M-200 | AIR | * | 18.1435 | 50 | 65 | 1198 16830000 |
| INTERCOSTALS | | STABILIZER, HORIZONTAL, EMPENNAGE | AIR | * | 93.1472 | 48 | 65 | 1227 16832000 |
| INTERCOSTALS | | FUSELAGE, AFT, BELOW-M-200 | AIR | * | 18.1435 | 50 | 65 | 1198 16834000 |
| INTERCOSTALS | | STABILIZER, VERTICAL, EMPENNAGE | AIR | * | 93.1472 | 48 | 65 | 1227 16836000 |
| INTERCOSTALS | | FUSELAGE, AFT, BELOW-M-200 | AIR | * | 27.1597 | 50 | 62 | 1198 16838000 |
| INTERCOSTALS | | FUSELAGE, AFT, ABOVE-M-200 | AIR | * | 18.1435 | 50 | 65 | 1198 16840000 |
| INTERCOSTALS | | FUSELAGE, AFT, ABOVE-M-200 | AIR | * | 19.7868 | 100 | 65 | 1198 16842000 |
| INTERCOSTALS | | FUSELAGE, FWD, BELOW-M-200 | AIR | * | 18.1435 | 50 | 65 | 1198 16844000 |
| INTERCOSTALS | | FUSELAGE, AFT, ABOVE-M-200 | AIR | * | 27.1597 | 50 | 63 | 1198 16846000 |
| INTERCOSTALS | | DORSAL-FIN, EMPENNAGE | AIR | * | 93.1472 | 48 | 65 | 1227 16848000 |
| INTERCOSTALS | | AIR-INTAKE-DUCT | AIR | * | 10.0732 | 944 | 65 | 1228 16850000 |
| INTERCOSTALS | | FUSELAGE, CENTER, ABOVE-M-200 | AIR | 5.70385 | 22.1862 | 812 | 64 | 1179 16852000 |
| INTERCOSTALS | | FUSELAGE, CENTER, ABOVE-M-200 | AIR | 11.7952 | 45.8799 | 50 | 63 | 1198 16854000 |
| INTERCOSTALS | | FUSELAGE, CENTER, BELOW-M-200 | AIR | 11.3333 | 51.8626 | 50 | 63 | 1114 16856000 |
| INTERCOSTALS | | FUSELAGE, CENTER, BELOW-M-200 | AIR | 23.5904 | 62.7777 | 50 | 63 | 1198 16858000 |
| INTERCOSTALS | | FUSELAGE, CENTER, BELOW-M-200 | AIR | 26.6666 | 70.964 | 50 | 63 | 1114 16860000 |
| INTERCOSTALS | | WHEEL-WELL-P80 | AIR | 60.6796 | 135.129 | 96 | 65 | 1227 16862000 |
| INTERCOSTALS | | FUSELAGE, FWD, BELOW-M-200 | AIR | 70.7714 | 124.228 | 50 | 63 | 1198 16864000 |
| INTERCOSTALS | | FUSELAGE, FWD, BELOW-M-200 | AIR | 80 | 140.428 | 50 | 63 | 1114 16866000 |
| INTERCOSTALS, DORSAL-FIN | | EMPENNAGE | AIR | * | 55.9834 | 76 | 66 | 1250 16868000 |
| INTERCOSTALS, STABILIZER | | EMPENNAGE | AIR | * | 55.9834 | 76 | 66 | 1250 16870000 |
| HORIZONTAL | | | | | | | | |
| INTERCOSTALS, STABILIZER | | EMPENNAGE | AIR | * | 55.9834 | 76 | 66 | 1250 16872000 |
| VERTICAL | | | | | | | | |
| INTERCOSTALS, WHEEL-WELL-P80 | | | AIR | 36.4697 | 81.2476 | 152 | 66 | 1250 16874000 |
| LANDING-GEAR, MAIN-ATTACH | | FUSELAGE, CENTER | AIR | * | 27.9917 | 152 | 66 | 1250 16876000 |
| MAIN | | | SUB | * | 7.09802 | 54 | 62 | 1249 16878000 |
| MAIN | | | SUB | 3.12597 | 12.1591 | 54 | 65 | 1249 16880000 |
| MAIN | | | HELI | 28.9017 | 112.419 | 40 | 65 | 1257 16882000 |
| NOSE-SECTION | | | HELI | 231.213 | 375.569 | 40 | 66 | 1257 16884000 |

ROBE AIR DEVEL

SECTION I

WENT CENTER, GRIFFISS AFB, N.Y.

FAILURE RATE DATA

241 FUSES AND CIRCUIT PROTECTIVE DEVICES

FUNCTIONAL APPLICATION

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | PART DESC | PTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------|--------------------|-------|------------------------|-------------|--------------|---------------------|-------------------|------------|------------|---------------|
| FUSE | GENERATOR | | | AIR | .1 | | | | U | 3001 16912000 |
| FUSE | KADAR | | | AIR | .5 | | | | U | 2001 16914000 |
| FUSE | DIGITAL | | | GRD | 3 | | | | U | 2001 16916000 |
| FUSE | KADAR | | | AIR | 7.5 | | | .645 | U | 2001 16918000 |
| FUSE | GENERATOR | | | AIR | 15 | | | 3.247 | 59 | 2001 16920000 |
| FUSE | KADAR | | | AIR | 34 | | | .138 | U | 2001 16922000 |
| FUSE | KADAR | | | AIR | 130 | | | | U | 2001 16924000 |
| FUSE | KADAR | | | AIR | 2800 | | | .076 | 55 | 2001 16926000 |
| FUSE | RECEIVER-AN/ARN-31 | | | AIR | * | 65.7885 | 8 | .035 | U | 2001 16928000 |
| FUSE | RECEIVER-AN/ARN-67 | | | AIR | * | 13.5798 | 100 | .16556 | 63 | 1198 16930000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 16932000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 575.65 | 66 | .004 | 64 | 1139 16934000 |
| FUSE | RECEIVER-AN/ARN-70 | | | GRD | * | 4428.07 | | .00052 | 64 | 1180 16936000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 46.052 | 2 | .05 | 62 | 1093 16938000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 16940000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 153.536 | 4 | .015 | 62 | 1093 16942000 |
| FUSE | RECEIVER-AN/ARN-70 | | | GRD | * | 90.3334 | | .03349 | 64 | 1100 16944000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 27.1597 | 50 | .08478 | 63 | 1198 16946000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 27.1597 | 50 | .08478 | 63 | 1198 16948000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 24.1109 | 248 | .0955 | 63 | 1111 16950000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 255.844 | 16 | .009 | 62 | 1093 16952000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 16954000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 65.7757 | 10 | .033 | 62 | 1093 16956000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 328.942 | 2 | .007 | 62 | 1093 16958000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 48.9914 | 10 | .047 | 62 | 1093 16960000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 4.94672 | 400 | .46548 | 65 | 1198 16962000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 15.7868 | 100 | .11637 | 65 | 1198 16964000 |
| FUSE | RECEIVER-AN/ARN-70 | | | SIM | * | 58.2222 | 130 | .0281 | 65 | 1199 16966000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 4.94672 | 400 | .46548 | 65 | 1198 16968000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 27.1597 | 50 | .08478 | 63 | 1198 16970000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 16972000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 16974000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 46.5756 | 96 | .04944 | 65 | 1227 16976000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 13.5798 | 100 | .16956 | 65 | 1198 16978000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 16980000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 3.02396 | 300 | .76145 | 65 | 1198 16982000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 15.6639 | 15 | .147 | 62 | 1093 16984000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 13.5798 | 100 | .16956 | 63 | 1198 16986000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 383.766 | 3 | .026 | 62 | 1093 16988000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 16990000 |
| FUSE | RECEIVER-AN/ARN-70 | | | AIR | * | 3.29776 | 600 | .69823 | 65 | 1198 16992000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1
FAILURE RATE DATA

PART CLASS 341 FUSES AND CIRCUIT PROTECTIVE DEVICES
PART DESCRIPTION FUNCTIONAL APPLICATION

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CRSS INDEX |
|-----------------------------------|--------------|---------------------|-----------------|------------|------------|----------------|
| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CRSS INDEX |
| MERKER-BEACON-AN/ARN-32 | | | | | | |
| AIR | 2.954/9 | 12.1435 | 50 | 12691 | 65 | 1198 16996000 |
| LAB | 4.29664 | | | | 61 | 1071 16998000 |
| LAB | 4.29664 | | | | 63 | 1138 17000000 |
| SUB | 5.89761 | 3.03882 | 216 | 1.28 | 65 | 1249 17002000A |
| SUB | 5.89761 | 3.46861 | 216 | 1.1214 | 65 | 1209 17004000 |
| AIR | 1.41653 | 5.50949 | 816 | 706 | 63 | 1114 17006000 |
| AIR | 1.57594 | 6.12995 | 250 | 63484 | 65 | 1198 17008000 |
| AIR | 1.96993 | 7.66247 | 200 | 50763 | 65 | 1198 17010000 |
| PRESSURE-OIL-SYSTEM-ENGINE-INSTRN | | | | | | |
| AIR | 2.26357 | 8.02018 | 510 | 441 | 63 | 1114 17012000 |
| AIR | 2.45519 | 6.53363 | 700 | 8146 | 65 | 1198 17014000 |
| AIR | 2.93286 | 11.0189 | 408 | 353 | 63 | 1114 17016000 |
| ENGINE-INSTRUMENTATION | | | | | | |
| AIR | 2.954/9 | 6.58012 | 400 | 1.0153 | 65 | 1198 17018000 |
| AIR | 4.29664 | 16.7126 | 200 | 23274 | 65 | 1198 17020000 |
| AIR | 4.29664 | 16.7126 | 2000 | 23274 | 65 | 1198 17022000 |
| AIR | 5.89761 | 22.1005 | 204 | 176 | 63 | 1114 17024000 |
| AIR | 5.89761 | 22.9399 | 100 | 16956 | 63 | 1198 17026000 |
| AIR | 5.8977 | 11.7858 | 400 | 67823 | 63 | 1198 17028000 |
| AIR | 6.44489 | 11.313 | 800 | 93697 | 65 | 1198 17030000 |
| AIR | 6.67779 | 13.3448 | 400 | 599 | 63 | 1114 17032000 |
| AIR | 6.7114 | 26.1053 | 100 | 149 | 63 | 1114 17034000 |
| AIR | 7.06369 | 20.9259 | 150 | 25434 | 63 | 1198 17036000 |
| AIR | 7.8796 | 20.9687 | 100 | 25382 | 65 | 1198 17038000 |
| AIR | 7.8796 | 30.6492 | 50 | 12891 | 65 | 1198 17040000 |
| AIR | 7.8796 | 30.6492 | 50 | 12691 | 65 | 1198 17042000 |
| AIR | 8.06451 | 31.3685 | 544 | 124 | 63 | 1114 17044000 |
| AIR | 8.59328 | 33.4252 | 100 | 11637 | 65 | 1198 17046000 |
| AIR | 8.58888 | 23.6546 | 150 | 225 | 63 | 1114 17048000 |
| SUB | 9.24784 | 20.5943 | 54 | 3244 | 65 | 1249 17050000P |
| SUB | 10.537 | 23.4652 | 54 | 28471 | 65 | 1209 17052000 |
| AIR | 11.3636 | 44.2011 | 102 | 888 | 63 | 1114 17054000 |
| AIR | 11.3636 | 44.2011 | 20 | 888 | 62 | 1093 17056000 |
| AIR | 11.3636 | 30.2403 | 204 | 176 | 63 | 1114 17058000 |
| TACAN-SYSTEM-AN/ARN-21 | | | | | | |
| AIR | 11.3636 | 44.2011 | 102 | 888 | 63 | 1114 17060000 |
| AIR | 11.396 | 30.3264 | 100 | 1135 | 65 | 1198 17062000 |
| AIR | 11.4577 | 22.8969 | 300 | 34911 | 65 | 1198 17064000 |
| GYROSCOPE-ATTITUDE | | | | | | |
| AIR | 11.8194 | 26.321 | 100 | 25382 | 65 | 1198 17066000 |
| AIR | 12.9899 | 28.7049 | 200 | 23274 | 65 | 1198 17068000 |
| AIR | 13.4843 | 52.4501 | 144 | 8746 | 65 | 1227 17070000 |
| AIR | 17.0454 | 37.959 | 204 | 176 | 63 | 1114 17072000 |
| SIM AIR | 18.0305 | 70.111 | 438 | 8554 | 66 | 1231 17074000A |
| AIR | 19.6989 | 36.5404 | 100 | 25382 | 65 | 1198 17076000 |
| FLIGHT-INSTRUMENTATION | | | | | | |
| AIR | 11.8194 | 26.321 | 100 | 25382 | 65 | 1198 17066000 |
| AIR | 12.9899 | 28.7049 | 200 | 23274 | 65 | 1198 17068000 |
| AIR | 13.4843 | 52.4501 | 144 | 8746 | 65 | 1227 17070000 |
| AIR | 17.0454 | 37.959 | 204 | 176 | 63 | 1114 17072000 |
| SIM AIR | 18.0305 | 70.111 | 438 | 8554 | 66 | 1231 17074000A |
| AIR | 19.6989 | 36.5404 | 100 | 25382 | 65 | 1198 17076000 |

00 N.O.C.

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1969

PART CLASS 341 FUSES AND CIRCUIT PROTECTIVE DEVICES
PART DESCRIPTION FUNCTIONAL APPLICATION

UPPER 90 CONF LIMIT
FAILURE RATE
ENVIRONMENT
PART POPULATION
PART HOURS
YR OF DATA
CROSS INDEX
RPT SACE REF NO

.01 N.O.C.

| | | | | | | | | | |
|-------|--|-----|---------|---------|------|--------|----|------|----------|
| FUSES | FLIGHT-DIRECTOR-SYSTEM. AIR-FORCE-STD | AIR | 21.7391 | 84.5586 | 204 | .046 | 63 | 1114 | 17078000 |
| FUSES | SEARCH-RADAR.AN/APR-59 | AIR | 23.5294 | 47.0208 | 748 | .17 | 63 | 1114 | 17080000 |
| FUSES | IFF-SYSTEM.AN/APX-25 | AIR | 23.5904 | 47.1428 | 100 | .16956 | 63 | 1198 | 17082000 |
| FUSES | BRAKE-SYSTEM | AIR | 23.5904 | 47.1428 | 100 | .16956 | 63 | 1198 | 17084000 |
| FUSES | TACAN-SYSTEM.AN/ARN-21 | AIR | 23.5904 | 52.1777 | 50 | .08478 | 63 | 1198 | 17086000 |
| FUSES | ELECTRICAL-POWER-SYSTEM | AIR | 24.3131 | 94.5708 | 76 | .04113 | 66 | 1250 | 17088000 |
| FUSES | SEARCH-RADAR.AN/APN-59 | AIR | 24.998 | 31.6715 | 1100 | 1.2801 | 65 | 1198 | 17090000 |
| FUSES | VHF-COMMUNICATION-SYSTEM.AN/ARC-49 | AIR | 25.5558 | 99.4045 | 50 | .03912 | 65 | 1198 | 17092000 |
| FUSES | VHF-COMMUNICATION-SYSTEM.AN/ARC-49 | AIR | 25.641 | 99.7358 | 102 | .039 | 63 | 1114 | 17094000 |
| FUSES | TACAN-SYSTEM.AN/ARN-21 | AIR | 26.6666 | 70.964 | 50 | .075 | 63 | 1114 | 17096000 |
| FUSES | BRAKE-SYSTEM | AIR | 26.8456 | 53.6479 | 100 | .149 | 63 | 1114 | 17098000 |
| FUSES | IFF-SYSTEM.AN/APX-25 | AIR | 26.8456 | 53.6479 | 100 | .149 | 63 | 1114 | 17100000 |
| FUSES | GYROSCOPE-ATTITUDE. | AIR | 29.488 | 54.6986 | 100 | .16956 | 63 | 1198 | 17102000 |
| FUSES | FLIGHT-INSTRUMENTATION GYROSCOPE-ATTITUDE. | AIR | 33.557 | 62.2463 | 100 | .149 | 63 | 1114 | 17104000 |
| FUSES | FLIGHT INSTRUMENTATION | AIR | 37.7447 | 52.9643 | 250 | .4239 | 63 | 1198 | 17105000 |
| FUSES | FLOWMETER-SYSTEM-ENGINE-INSTRN | AIR | 39.3979 | 73.0809 | 50 | .12691 | 65 | 1198 | 17108000 |
| FUSES | UHF-COMMUNICATION-AV/ARC-34 | AIR | 39.3987 | 53.2771 | 200 | .50763 | 65 | 1198 | 17110000 |
| FUSES | HF-COMMUNICATION-SYSTEM | SUB | 40.0962 | 155.962 | 34 | .02494 | 64 | 1137 | 17112000 |
| FUSES | VHF-COMMUNICATION-SYSTEM | AIR | 40.8163 | 108.618 | 204 | .049 | 63 | 1114 | 17114000 |
| FUSES | TORQUEMETER-SYSTEM. | AIR | 41.2833 | 59.3536 | 200 | .33912 | 63 | 1198 | 17116000 |
| FUSES | ENGINE-INSTRUMENTATION | AIR | 41.6666 | 162.07 | 62 | .024 | 63 | 1111 | 17118000 |
| FUSES | HYDRAULIC-120-CUBIC-INCH-FLOW-LIMIT | AIR | 42.6666 | 59.8709 | 250 | .375 | 63 | 1114 | 17120000 |
| FUSES | FLOWMETER-SYSTEM-ENGINE-INSTRN | AIR | 43.3377 | 65.3933 | 100 | .25382 | 65 | 1198 | 17122000 |
| FUSES | GYROSCOPE-DIRECTIONAL. | AIR | 43.4782 | 63.4045 | 200 | .299 | 63 | 1114 | 17124000 |
| FUSES | FLIGHT-INSTRUMENTATION TORQUEMETER-SYSTEM. | AIR | 45.4545 | 90.8357 | 102 | .088 | 63 | 1114 | 17126000 |
| FUSES | ENGINE-INSTRUMENTATION | AIR | 46.9798 | 78.9993 | 100 | .149 | 63 | 1114 | 17128000 |
| FUSES | UHF-COMMUNICATION-SYSTEM.AN/ARC-34 | AIR | 47.1809 | 94.2857 | 50 | .08478 | 63 | 1198 | 17130000 |
| FUSES | UHF-COMMUNICATION-AV/ARC-34 | AIR | 47.1809 | 76.6377 | 100 | .16956 | 63 | 1198 | 17132000 |
| FUSES | VHF-COMMUNICATION-SYSTEM.AN/ARC-49 | AIR | 50.5663 | 77.9057 | 384 | .19775 | 65 | 1227 | 17134000 |
| FUSES | HYDRAULIC-LANDING-GEAR | AIR | 52.9915 | 70.1311 | 408 | .353 | 63 | 1114 | 17136000 |
| FUSES | HF-COMMUNICATION-SYSTEM | AIR | 53.0785 | 83.7815 | 100 | .16956 | 63 | 1198 | 17138000 |
| FUSES | GYROSCOPE-DIRECTIONAL. | AIR | 53.3333 | 106.58 | 50 | .075 | 63 | 1114 | 17140000 |
| FUSES | FLIGHT-INSTRUMENTATION UHF-COMMUNICATION-AV/ARC-34 | AIR | 56.8181 | 87.5377 | 204 | .176 | 63 | 1114 | 17142000 |
| FUSES | GYROSCOPE-DIRECTIONAL. | AIR | 58.9761 | 109.397 | 50 | .08478 | 63 | 1198 | 17144000 |
| FUSES | FLIGHT-INSTRUMENTATION PRESSURE-FUEL-SYSTEM-ENGINE-INSTRN | AIR | 60.4026 | 95.3422 | 100 | .149 | 63 | 1114 | 17146000 |
| FUSES | GYROSCOPE-DIRECTIONAL. | AIR | 63.0367 | 88.4548 | 100 | .25382 | 65 | 1198 | 17148000 |
| FUSES | FLIGHT-INSTRUMENTATION IFF-SYSTEM.AN/APX-25 | AIR | | | | | | | |

ROHE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 341 FUSES AND CIRCUIT PROTECTIVE DEVICES | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------|--|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| FUSES | IFF-SYSTEM-AN/APX-25 | | AIR | 64.5161 | 171.687 | 126 | .031 | 63 | 1114 17150000 |
| FUSES | VHF-COMMUNICATION-SYSTEM | | AIR | 64.5161 | 171.687 | 204 | .031 | 63 | 1114 17152000 |
| FUSES | HIGH-RANGE-ALT-SCR-718 | | AIR | 64.8737 | 97.8895 | 100 | .16956 | 63 | 1198 17154000 |
| FUSES | PRESSURE-FUEL-SYSTEM-ENGINE-INSTRN | | AIR | 66.6666 | 123.662 | 50 | .075 | 63 | 1114 17156000 |
| FUSES | HIGH-RANGE-ALT-SCR-718 | | AIR | 67.114 | 103.4 | 100 | .149 | 63 | 1114 17158000 |
| FUSES | IFF-SYSTEM-AN/APX-25 | | AIR | 68.7462 | 96.4664 | 200 | .23274 | 65 | 1198 17160000 |
| FUSES | | AIR GND | AIR | 71.4285 | 132.495 | 1440 | .07 | 65 | 1221 17162000 |
| FUSES | LOW-RANGE-ALT-AN/APN-22 | | AIR | 73.0428 | 101.424 | 200 | .23274 | 65 | 1198 17164000 |
| FUSES | HYDRAULIC-60-CUBIC-INCH-FLOW-LIMIT | | AIR | 83.3333 | 324.141 | 31 | .012 | 63 | 1111 17166000 |
| FUSES | LOW-RANGE-ALT-AN/APN-22 | | AIR | 86.9565 | 173.772 | 204 | .046 | 63 | 1114 17168000 |
| FUSES | | | AIR | 90.2654 | 108.723 | 151 | .565 | 62 | 1093 17170000 |
| FUSES | | | AIR | 90.909 | 127.565 | 204 | .176 | 63 | 1114 17172000 |
| FUSES | IFF-SYSTEM-AN/APX-25 | | AIR | 51.1459 | 105.169 | 550 | .93257 | 63 | 1158 17174000 |
| FUSES | SEARCH-RADAR-AN/APN-55 | | AIR | 94.3618 | 118.552 | 200 | .33912 | 63 | 1198 17176000 |
| FUSES | HF-COMMUNICATION-SYSTEM | | AIR | 107.023 | 135.594 | 200 | .299 | 63 | 1114 17178000 |
| FUSES | SEARCH-RADAR-AN/APN-59 | | AIR | 108.072 | 124.92 | 550 | .768 | 63 | 1114 17180000 |
| FUSES | CONTROL-LIGHTING-SYSTEM | | AIR | 124.716 | 149.158 | 510 | .441 | 63 | 1114 17182000 |
| FUSES | CONTROL-LIGHTING-SYSTEM | | AIR | 127.651 | 147.82 | 250 | .63454 | 65 | 1196 17184000 |
| FUSES | UNF-COMMUNICATION-AN/ARC-34 | | AIR | 133.333 | 354.82 | 68 | .015 | 63 | 1114 17186000 |
| FUSES | SEARCH-RADAR-AN/APN-55 | | AIR | 136.819 | 150.399 | 550 | 1.396 | 65 | 1198 17188000 |
| FUSES | LOW-RANGE-ALT-AN/APN-22 | | AIR | 137.611 | 172.491 | 150 | .25434 | 63 | 1198 17190000 |
| FUSES | LOW-RANGE-ALT-AN/APN-22 | | AIR | 137.777 | 175.243 | 150 | .225 | 63 | 1114 17192000 |
| FUSES | LOW-RANGE-ALT-AN/APN-22 | | AIR | 157.596 | 187.011 | 150 | .38072 | 65 | 1198 17194000 |
| FUSES | GYROSCOPE-ATTITUDE | | AIR | 165.133 | 237.414 | 50 | .08478 | 63 | 1198 17196000 |
| FUSES | PILOT-FLIGHT-INSTRUMENTATION | | | | | | | | |
| FUSES | SEARCH-RADAR-AN/APS-42 | | AIR | 179.791 | 313.502 | 250 | .02781 | 63 | 1158 17198000 |
| FUSES | LOW-RANGE-ALT-AN/APN-22 | | AIR | 181.132 | 219.462 | 306 | .265 | 63 | 1114 17200000 |
| FUSES | GYROSCOPE-ATTITUDE | | AIR | 186.666 | 268.373 | 50 | .075 | 63 | 1114 17202000 |
| FUSES | PILOT-FLIGHT-INSTRUMENTATION | | | | | | | | |
| FUSES | SEARCH-RADAR-AN/APS-42 | | AIR | 192.307 | 356.719 | 250 | .026 | 63 | 1114 17204000 |
| FUSES | DC-POWER-SUPPLY | | AIR | 194.845 | 214.293 | 1122 | .97 | 63 | 1114 17206000 |
| FUSES | DC-POWER-SUPPLY | | AIR | 212.314 | 292.006 | 50 | .08478 | 63 | 1198 17208000 |
| FUSES | DC-POWER-SUPPLY | | AIR | 240 | 330.084 | 50 | .075 | 63 | 1114 17210000 |
| FUSES | AC-POWER-SUPPLY | | AIR | 266.566 | 532.903 | 68 | .015 | 63 | 1114 17212000 |
| FUSES | ELECTRICAL-POWER-SYSTEM | | AIR | 283.171 | 476.169 | 48 | .02472 | 65 | 1221 17214000 |
| FUSES | DC-POWER-SUPPLY | | AIR | 291.545 | 363.116 | 50 | .12691 | 65 | 1198 17216000 |
| FUSES | DC-POWER-SUPPLY | | AIR | 329.545 | 422.71 | 102 | .088 | 63 | 1114 17218000 |
| FUSES | DC-POWER-SUPPLY | | AIR | 363.636 | 460.713 | 48 | .088 | 62 | 1093 17220000 |
| FUSES | | | AIR | 450 | 618.907 | 11 | .04 | 62 | 1093 17222000 |
| FUSES | AC-POWER-SUPPLY | | AIR | 480.655 | 569.545 | 50 | .12691 | 65 | 1198 17224000 |
| FUSES | AC-POWER-SUPPLY | | AIR | 532.783 | 630.42 | 100 | .11637 | 65 | 1198 17226000 |
| FUSES | AC-POWER-SUPPLY | | AIR | 545.454 | 660.88 | 102 | .088 | 63 | 1114 17228000 |
| FUSES | AC-POWER-SUPPLY | | AIR | 577.966 | 698.855 | 50 | .08478 | 63 | 1198 17230000 |
| FUSES | AC-POWER-SUPPLY | | AIR | 640 | 775.431 | 50 | .075 | 63 | 1114 17232000 |
| FUSES | DC-POWER-SUPPLY | | AIR | 644.496 | 750.747 | 100 | .11637 | 65 | 1198 17234000 |

.00 N.B.C.

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

SECTION 1 FAILURE RATE DATA

JANUARY 1968

PART CLASS 341 FUSES AND CIRCUIT PROTECTIVE DEVICES

PART DESCRIPTION FUNCTIONAL APPLICATION

• 50 N.O.C.

FUSES
FUSES
FUSES-CARTRIDGE
FUSES-HYDRAULIC
FUSES-HYDRAULIC
FUSES-1-AMP, P590078-9-1
HERMETICALLY-SEALED.
LOW-AMPERAGE

CONTROL-LIGHTING-SYSTEM
CONTROL-LIGHTING-SYSTEM

LANDING-GEAR-MAIN
LANDING-GEAR
AN/ASN-48

• 10 CIRCUIT BREAKER

| ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POPU-LATION | PART HOURS | VR | CRGS |
|-------------|--------------|-------------|------------------|------------|---------|-----------|
| AIR | 733.933 | 1106.54 | 68 | .015 | 63 1114 | 17236000 |
| AIR | 1220.24 | 1362.23 | 100 | .11637 | 53 1198 | 17238000 |
| AIR GND | * | 49.5395 | | .04048 | 64 1180 | 17240000 |
| AIR | 8.10372 | 31.521 | 228 | .1234 | 66 1250 | 17242000A |
| AIR | 39.5136 | 57.6229 | 608 | .329 | 66 1250 | 17244000 |
| LAB | 95.230 | 370.447 | 36 | .0105 | 64 1244 | 17246000 |
| LAB | .1 | | | | 63 1127 | 17248000 |

| | | | | | | |
|---------|---|---------|------|--------|---------|-----------|
| SIM SUB | * | 25.5844 | | .09 | 43 1107 | 17250000A |
| AIR | * | 14.9319 | 81 | .154 | 62 1093 | 17252000 |
| GRD | * | 164.471 | | .014 | 63 1100 | 17254000 |
| LAB | * | 16.0236 | | .1437 | 66 1230 | 17256000A |
| AIR | * | 44.2507 | 9 | .052 | 62 1093 | 17258000 |
| AIR | * | 11.1776 | 90 | .206 | 62 1093 | 17260000 |
| AIR | * | 46.5736 | 94 | .04944 | 65 1227 | 17262000 |
| AIR | * | 5.07178 | 100 | .25382 | 65 1198 | 17264000 |
| AIR | * | 9.07178 | 100 | .25382 | 65 1198 | 17266000 |
| AIR | * | 9.89344 | 200 | .23274 | 65 1198 | 17268000 |
| AIR | * | 19.7868 | 100 | .11637 | 65 1198 | 17270000 |
| AIR | * | 6.78992 | 200 | .33912 | 63 1198 | 17272000 |
| AIR | * | 93.1472 | 48 | .02472 | 65 1227 | 17274000 |
| AIR | * | 55.9834 | 76 | .04113 | 66 1250 | 17276000A |
| AIR | * | 4.43558 | 1008 | .51912 | 65 1227 | 17278000 |
| AIR | * | 57.2643 | | .04021 | 63 1123 | 17280000 |
| AIR | * | 19.7868 | 100 | .11637 | 65 1198 | 17282000 |
| AIR | * | 13.9975 | 304 | .1645 | 66 1250 | 17284000A |
| AIR | * | 19.7868 | 100 | .11637 | 65 1198 | 17286000 |
| AIR | * | 55.9834 | 76 | .04113 | 66 1250 | 17288000A |
| AIR | * | 18.1435 | 50 | .12691 | 65 1198 | 17290000 |
| AIR | * | 27.9917 | 152 | .08226 | 66 1250 | 17292000A |
| AIR | * | 23.2868 | 192 | .09888 | 65 1227 | 17294000 |
| AIR | * | 18.1435 | 50 | .12691 | 65 1198 | 17296000 |
| AIR | * | 93.1472 | 48 | .02472 | 65 1227 | 17298000 |
| AIR | * | 9.89344 | 200 | .23274 | 65 1198 | 17300000 |
| AIR | * | 93.1472 | 48 | .02472 | 65 1227 | 17302000 |
| AIR | * | 6.03248 | 528 | .3817 | 65 1227 | 17304000 |
| AIR | * | 11.1966 | 380 | .20565 | 66 1250 | 17306000 |
| AIR | * | 18.6294 | 240 | .1236 | 65 1227 | 17308000 |
| AIR | * | 13.5798 | 100 | .16956 | 63 1198 | 17310000 |
| AIR | * | 93.1472 | 48 | .02472 | 65 1227 | 17312000 |

ANGLE-OF-ATTACK-SYSTEM
COMPUTER.AN/ASN-35
VHF-COMMUNICATION-101
VHF-COMMUNICATION-101
AUXILIARY-POWER-PLANT
POSITION-IND.OIL-COOLER-FLAP
DOOR
DOOR
AC-POWER-SYSTEM-INSTRUMENT
WING-ASSEMBLY-CENTER-SECTION
HIGH-RANGE-ALTITUDE
ENGINE-PRESSURE-RATIO-INSTRUMENTATION
HF-COMMUNICATION-SYSTEM
AUDIBLE-WARNING-SYSTEM-MAXIMUM-SPEED
POSITION-IND.ELEVATOR-TRIM-TAB
ENGINE-VIBRATION
ENGINE-CONTROL-SYSTEM
HIGH-RANGE-ALTITUDE-SCR-718
P-A-SYSTEM.AN/AIC-13
RUDDER-TRIM-TAB-ASSEMBLY
RUDDER-TRIM-SYSTEM
AIR-CONDITION-SYSTEM
CONTROL-HYDRAULIC-SYSTEM-ORESSURE
ENGINE/CONSTANT-SPEED-DRIVE.
OIL-SYSTEM
RADAR-PRESSURE-SYSTEM
EXHAUST-GAS-TEMPERATURE.
AUXILIARY-POWER-UNIT

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 341 FUSES AND CIRCUIT PROTECTIVE DEVICES | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CRGSS INDEX |
|-----------------------------------|--|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|----------------|
| PAR DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| -IC CIRCUIT BREAKER | | | | | | | | | |
| AILERON-CONTROL-SYSTEM | | | AIR | * | 6.99878 | 608 | .329 | 66 | 1250 17314000A |
| AIRBORNE-FLIGHT-RECORDER-SYSTEM | | | AIR | * | 27.5917 | 152 | .08226 | 66 | 1250 17315000A |
| GYGEN-SYSTEM-CARGO-COMPARTMENT | | | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 17318000A |
| FIRE/OVERHEAT-DETECT-ENGINE | | | AIR | * | 11.6434 | 384 | .19776 | 65 | 1227 17320000 |
| AUXILIARY-POWER-UNIT | | | | | | | | | |
| EMPENAGE-DE-ICE-SYSTEM | | | AIR | * | 18.6294 | 240 | .12360 | 65 | 1227 17322000 |
| ELECTRICAL-COOLING-SYSTEM | | | AIR | * | 7.99791 | 532 | .2879 | 66 | 1250 17324000A |
| CONTROL-BLEED-AIR-SYSTEM | | | AIR | * | 6.78992 | 200 | .33912 | 63 | 1198 17326000 |
| AIR-CONDITIONING | | | | | | | | | |
| CONTROL-LANDING-GEAR | | | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 17328000A |
| FLIGHT-DIRECTION-SYSTEM | | | AIR | * | 4.66491 | 912 | .4936 | 66 | 1250 17330000 |
| DOOR-ELECTRIC-AIR-SPOILER-PTP | | | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 17332000 |
| EMERGENCY-POWER-SYSTEM | | | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 17334000 |
| AILERON-TRIM-SYSTEM | | | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 17336000 |
| LERAN-AN/APN-151 | | | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 17338000A |
| CONTROL-COPILOT-AC-POWER | | | AIR | * | 192.847 | 31 | .01194 | 63 | 1111 17340000 |
| MARKER-BEACON-RADIO-NAVIGATION | | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17342000A |
| POSITION-INC-OIL-COOLER-FLAP | | | AIR | * | 4.53598 | 200 | .50763 | 65 | 1198 17344000 |
| AILERON-CONTROL-SYSTEM | | | AIR | * | 11.6434 | 384 | .19776 | 65 | 1227 17346000 |
| FIRE-EXTINGUISHER-SYSTEM | | | AIR | * | 10.3496 | 432 | .22248 | 65 | 1227 17348000 |
| INDICATOR-POSITION-LANDING-GEAR | | | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 17350000 |
| THROUST REVERSER-SYSTEM | | | AIR | * | 11.6434 | 384 | .19776 | 65 | 1227 17352000 |
| SMOKE-DETECTION-SYSTEM | | | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 17354000 |
| VHF-COMMUNICATION-SYSTEM | | | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 17356000 |
| CONTROL-POSITION-LANDING-GEAR | | | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 17358000 |
| VHF-NAVIGATION-SYSTEM-AN/ARN-14 | | | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 17360000 |
| SEARCH-RADAR-AN/APS-42 | | | AIR | * | 13.5798 | 100 | .16956 | 63 | 1198 17362000 |
| ELEVATOR-CONTROL-SYSTEM | | | AIR | * | 6.21982 | 684 | .3702 | 66 | 1250 17364000 |
| ENGINE-INLET-FUEL-PUMP | | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17366000A |
| QUANTI V-SYSTEM-GIL | | | AIR | * | 3.95737 | 500 | .58185 | 65 | 1198 17368000 |
| CONTROL-AILERON-TRIM-SYSTEM | | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17370000A |
| CONTROL-BLEED-AIR-SYSTEM | | | AIR | * | 4.94672 | 400 | .46548 | 65 | 1198 17372000 |
| AIR-CONDITIONING | | | | | | | | | |
| RUDDER-TRIM-SYSTEM | | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17374000 |
| CONTROL-PAID REMOVAL-SYSTEM | | | AIR | * | 18.6294 | 240 | .1236 | 65 | 1227 17376000 |
| CONTROL-STABILIZER-HORIZONTAL | | | AIR | * | 20.1505 | 473 | .11427 | 65 | 1228 17378000 |
| CONTROL-FUEL-MANIFOLD-PRESSURE | | | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 17380000 |
| CONTROL-HYDRAULIC-SYSTEM-PRESSURE | | | AIR | * | 18.6294 | 240 | .12360 | 65 | 1227 17382000 |
| DC-POWER-CONTROL | | | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 17384000 |
| GALLEY-SYSTEM | | | AIR | * | 9.32982 | 456 | .2468 | 66 | 1250 17386000 |
| RADIO-PRESSURE-SYSTEM | | | AIR | * | 9.89344 | 200 | .23274 | 65 | 1198 17388000 |
| VHF-RADIO-OMNIRANGE-NAVIGATION | | | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 17390000 |
| WING-SPOILER-SYSTEM | | | AIR | * | 15.5245 | 288 | .14832 | 65 | 1227 17392000 |
| ENGINE-OIL-TEMPERATURE | | | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 17394000 |
| RADAR-PRESSURE-SYSTEM | | | AIR | * | 9.07178 | 100 | .25382 | 63 | 1198 17396000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

PART CLASS 341 FUSES AND CIRCUIT PROTECTIVE DEVICES

PART DESCRIPTION

10 CIRCUIT BREAKER

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POSITION | PART HOURS | YR OF DATA INDEX | CROSS REF NO |
|---|-------------|--------------|---------------------|---------------|------------|------------------|---------------|
| | | | | | | | |
| AUXILIARY-POWER-UNIT | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17356000 |
| RADIO-AN/APN-150-ALTITUDE | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 17600000 |
| IFF-SYSTEM-AN/APX-46-TRANSPONDER | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 17482000 |
| IFF-SYSTEM-AN/APX-25 | AIR | * | 19.7868 | 100 | .11637 | 65 | 1158 17400000 |
| IGNITION/ELECTRICAL-SYSTEMS | AIR | * | 5.8217 | 368 | .39552 | 65 | 1227 17408000 |
| NAVIGATION-COMPUTER-AN/ASN-24 | AIR | * | 18.6294 | 240 | .1236 | 65 | 1227 17408000 |
| CONTROL-FLAP-POSITION-SYSTEM | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 17410000 |
| LOGAN-AN/APN-70 | AIR | * | 9.07178 | 100 | .25332 | 65 | 1198 17412000 |
| TOTAL-TEMPERATURE-SYSTEM. | AIR | * | 31.049 | 144 | .07416 | 65 | 1227 17414000 |
| FLIGHT-INSTRUMENTATION | | | | | | | |
| MACH-TRIM-COMPENSATOR-AUTM-PILOT | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 17416000 |
| AUTOM-WARNING-SYSTEM-LAND-GEAR | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 17418000 |
| WING-FLAP-ASSEMBLY | AIR | * | 8.39344 | 200 | .23274 | 65 | 1198 17420000 |
| IFF-SYSTEM-AN/APX-46-TRANSPONDER | AIR | * | 25.9834 | 76 | .04113 | 66 | 1250 17422000 |
| IGNITION/ELEC-SYSTEM | AIR | * | 6.99878 | 608 | .329 | 66 | 1250 17424000 |
| AUDIBLE-WARNING-SYSTEM-OXYGEN-QTY | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17426000 |
| CONTROL-RUDDER-TRIM-SYSTEM | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17428000 |
| RAIN-REPELLANT-SYSTEM | AIR | * | 15.5445 | 288 | .14832 | 65 | 1227 17430000 |
| CONTROL-AILERON-TRIM-SYSTEM | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 17432000 |
| CONTROL-AIR-CONDITIONED-CARGO-COMPARTMENT | AIR | * | 4.94672 | 400 | .46548 | 65 | 1198 17434000 |
| CONTROL-MANIFOLD-BLEED-PRESSURE | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17436000 |
| ENGINE-CONTROLS | AIR | * | 5.81964 | 3400 | .39566 | 65 | 1198 17438000 |
| DC-POWER-SYSTEM-INSTRUMENTATION | AIR | * | 13.9975 | 304 | .1645 | 65 | 1232 17440000 |
| INTERCOM-AN/AIC-10 | AIR | * | 9.7178 | 180 | .25342 | 65 | 1198 17442000 |
| RUDDER-TRIM-TAB-ASSEMBLY | AIR | * | 27.1597 | 50 | .08478 | 63 | 1158 17444000 |
| P-A-SYSTEM | AIR | * | 27.1597 | 50 | .08478 | 63 | 1198 17446000 |
| VHF-NAVIGATION-SYS-AN/ARM-14 | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 17448000 |
| AIRBORNE-FLIGHT-RECORDER-SYSTEM | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 17450000 |
| CONTROL-POSITION-LANDING-GEAR | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17452000 |
| FLOOR-HEAT-SYSTEM | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 17454000 |
| IGNITION/ELECTRICAL-SYSTEMS | AIR | * | 2.47333 | 800 | .93097 | 65 | 1198 17456000 |
| SEARCH-RADAR-AN/APN-59 | AIR | * | 6.59562 | 300 | .34911 | 65 | 1198 17458000 |
| INDICATOR-POSITION-LANDING-GEAR | AIR | * | 6.04801 | 150 | .38072 | 65 | 1198 17460000 |
| POSITION-IND-OIL-COOLER-FLAP | AIR | * | 27.1597 | 50 | .08478 | 63 | 1198 17462000 |
| PITOT-STATIC-SYSTEM | AIR | * | 4.94672 | 400 | .46548 | 65 | 1198 17464000 |
| FLIGHT-INSTRUMENTATION | AIR | * | 7.99791 | 532 | .2679 | 66 | 1250 17466000 |
| AUDIBLE-WARNING-SYSTEM-MAX-SPEED | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 17468000 |
| CONTROL-TEMPERATURE-CARGO-COMPARTMENT | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 17470000 |
| DOOR-WARNING-SYSTEM | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17472000 |
| CONTROL-LANDING-GEAR | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 17474000 |
| COMPUTER-AN/ASN-35 | AIR | * | 18.6595 | 248 | .1234 | 66 | 1250 17476000 |
| POSITION-IND-RUDDER-TRIM-TAB | AIR | * | 27.1597 | 50 | .08478 | 63 | 1198 17478000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

PART CLASS 341 FUSES AND CIRCUIT PROTECTIVE DEVICES
PART DESCRIPTION FUNCTIONAL APPLICATION

.10 CIRCUIT BREAKER

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| ENVIRONMENT | FAILURE RATE | UPPER 95 CONF LIMIT | PART POPULATION | PART HOURS | DATA RPT SRC | CROSS INDEX REF |
|-------------|--------------|---------------------|-----------------|------------|--------------|-----------------|
| AIR | * | 18.6596 | 228 | .1234 | 66 | 1250 17480000 |
| AIR | * | 9.8934 | 200 | .23274 | 65 | 1198 17480000 |
| AIR | * | 9.89344 | 200 | .23274 | 65 | 1198 17480000 |
| AIR | * | 27.9917 | 152 | .58226 | 66 | 1250 17480000 |
| AIR | * | 3.02396 | 300 | .76145 | 65 | 1198 17480000 |
| AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 17490000 |
| AIR | * | 11.1966 | 380 | .2565 | 66 | 1250 17490000 |
| AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 17490000 |
| AIR | * | 3.29776 | 600 | .59823 | 65 | 1198 17490000 |
| AIR | * | 6.59562 | 300 | .34911 | 65 | 1198 17490000 |
| AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 17500000 |
| AIR | * | 4.54672 | 400 | .46549 | 63 | 1198 17502000 |
| AIR | * | 18.6596 | 228 | .1234 | 66 | 1250 17504000 |
| AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17506000 |
| AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 17508000 |
| AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 17510000 |
| AIR | * | 3.1472 | 48 | .02472 | 65 | 1227 17512000 |
| AIR | * | 5.08974 | 936 | .4524 | 66 | 1250 17514000 |
| AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 17516000 |
| AIR | * | 15.5245 | 288 | .14032 | 65 | 1227 17518000 |
| AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 17520000 |
| AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17524000 |
| AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 17526000 |
| AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 17528000 |
| AIR | * | 13.3067 | 336 | .17304 | 65 | 1227 17530000 |
| AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 17532000 |
| AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 17534000 |
| AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17536000 |
| AIR | * | 8.46793 | 328 | .27192 | 65 | 1227 17538000 |
| AIR | * | 58.1964 | 3400 | 3.9566 | 65 | 1198 17540000 |
| AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 17542000 |
| AIR | * | 27.1357 | 50 | .08478 | 65 | 1198 17544000 |
| AIR | * | 4.53598 | 200 | .50763 | 65 | 1198 17546000 |
| AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 17548000 |
| AIR | * | 11.6434 | 384 | .19776 | 65 | 1227 17550000 |
| AIR | * | 9.07178 | 100 | .25382 | 65 | 1198 17552000 |

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1959

WJME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

PART CLASS 341 FUSES AND CIRCUIT PROTECTIVE DEVICES
PART DESCRIPTION FUNCTIONAL APPLICATION

10 CIRCUIT BREAKER

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION LATENCY | PART HOURS | YR | CRSS |
|-------------------------------------|------------------------|-------------|--------------|---------------------|-------------------------|------------|----|----------------|
| | | | | | | | | |
| AIR-DROP-SYSTEM | | AIR | * | 5.5834 | 760 | .4113 | 66 | 1250 17554000 |
| LRAN-AN/APN-151 | | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 17556000 |
| OXYGEN-SYSTEM-C/C | | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 17558000 |
| CONTROL-BLEED-AIR-PRESSURE | | AIR | * | 27.9817 | 152 | .08226 | 66 | 1250 17560000A |
| DC-POWER-DISTRIBUTION | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17562000 |
| CONTROL-MANIFOLD-BLEED-PRESSURE | | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 17564000 |
| DOPPLER-RADAR-AN/APN-147 | | AIR | * | 9.89344 | 200 | .23274 | 65 | 1198 17566000 |
| CONTROL-HYDRAULIC-SYSTEM | | AIR | * | 3.58258 | 1248 | .04272 | 65 | 1227 17568000 |
| GAS-TURBINE-COMPRESSOR | | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 17570000 |
| AUXILIARY-POWER-PLANT | | | | | | | | |
| CONTROL-FLAP-POSITION-SYSTEM | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17572000A |
| DOPPLER-RADAR-AN/APN-147 | | AIR | * | 27.9817 | 152 | .08226 | 66 | 1250 17574000A |
| DC-POWER-CONTROL | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17576000 |
| ENGINE-OIL-TEMPERATURE | | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 17578000A |
| CONTROL-FUEL-MANIFOLD-PRESSURE | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17580000 |
| EXHAUST-GAS-TEMPERATURE | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17582000A |
| AUXILIARY-POWER-UNIT | | | | | | | | |
| AUDIBLE-WARNING-SYSTEM | | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 17584000 |
| OXYGEN-QUANTITY | | | | | | | | |
| AC-POWER-SYSTEM-INSTRUMENTATION | | AIR | * | 2.65804 | 1596 | .864 | 66 | 1250 17586000A |
| ENGINE-PRESSURE-RATIO-INSTRUMENT | | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 17588000 |
| LRAN-AN/APN-70 | | AIR | * | 9.89344 | 200 | .23274 | 65 | 1198 17590000 |
| SPEED-BRAKE-SYSTEM | | AIR | * | 26.2673 | 406 | .08766 | 64 | 1179 17592000 |
| TACAN-SYSTEM-AN/ARN-21 | | AIR | * | 4.53598 | 208 | .30763 | 65 | 1198 17594000 |
| AIR-DROP-SYSTEM | | AIR | * | 9.31472 | 480 | .2472 | 65 | 1227 17596000 |
| DC-POWER-DISTRIBUTION | | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 17598000 |
| POSITION-IND-AILERON-TRIM-TAB | | AIR | * | 15.7868 | 100 | .11637 | 65 | 1198 17600000 |
| FIRE-EXTINGUISHER-SYSTEM | | AIR | * | 6.21988 | 684 | .3702 | 66 | 1250 17602000A |
| CONTROL-OXYGEN-QUANTITY | | AIR | * | 31.049 | 144 | .07416 | 65 | 1227 17604000 |
| SYSTEM-INSTRUMENTATION | | | | | | | | |
| POSITION-IND-AILERON-TRIM-TAB | | AIR | * | 16.1435 | 50 | .12491 | 65 | 1198 17606000 |
| CONTROL-TEMPERATURE | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17608000A |
| CARGO-COMPARTMENT | | | | | | | | |
| STALL-WARNING-SYSTEM | | AIR | * | 11.6434 | 384 | .19776 | 65 | 1227 17610000 |
| RAIN-REPELLANT-SYSTEM | | AIR | * | 9.32982 | 436 | .2468 | 66 | 1250 17612000A |
| CONTROL-RAIN-REMOVAL-SYSTEM | | AIR | * | 11.1966 | 380 | .20565 | 69 | 1276 17614000A |
| GLIDE-SLOPE-SYSTEM-RADIO-NAVIGATION | | AIR | * | 46.5736 | 96 | .04344 | 65 | 1227 17616000 |
| RADAR-PRESSURIZATION-AN/ASQ-70 | | AIR | * | 46.5736 | 96 | .04344 | 65 | 1227 17618000 |
| TAKE-OFF-WARNING-SYSTEM | | AIR | * | 46.5736 | 96 | .04344 | 65 | 1227 17620000 |
| CONTROL-BLEED-AIR-SYSTEM | | AIR | * | 5.08974 | 836 | .4524 | 66 | 1250 17622000A |
| MARKER-BEACON-EQUIPMENT | | AIR | * | 15.7868 | 100 | .11637 | 65 | 1198 17624000 |
| WINDSHIELD-ANTI-ICE-DE-ICE-SYSTEM | | AIR | * | 2.47333 | 890 | .93097 | 65 | 1198 17626000 |
| INTERCOM-AN/AIC-17 | | AIR | * | 9.89344 | 200 | .23274 | 65 | 1198 17628000 |
| ENGINE-CONTROL-SYSTEM | | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 17630000A |
| FLOOR-HEAT-SYSTEM | | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 17632000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 341 FUSES AND CIRCUIT PROTECTIVE DEVICES

PART DESCRIPTION

FUNCTIONAL APPLICATION

.10 CIRCUIT BREAKER

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|---|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|----------------|
| | | | | | | | | |
| FUEL-SYSTEM | | AIR | * | 23-2868 | 192 | .09888 | 65 | 1227 17634000 |
| RADAR-AN/APN-150-ALTITUDE | | AIR | * | 46-5736 | 96 | .04944 | 65 | 1227 17636000 |
| ENGINE/CONSTANT-SPEED-DRIVE-GIL-SYSTEM | | AIR | * | 11-1966 | 380 | .20565 | 66 | 1250 17638000A |
| WINDSHIELD-HEAT-ANTI-DE-ICE | | AIR | * | 8-46793 | 528 | .27192 | 65 | 1227 17640000 |
| ENGINE/AUXILIARY-POWER-UNIT-INSTRUMENTATION | | AIR | * | 13-9975 | 304 | .1645 | 66 | 1250 17642000A |
| FIRE/OVERHEAT-DETECTION-ENGINE/AUXILIARY-POWER-UNIT | | AIR | * | 6-99878 | 608 | .329 | 66 | 1250 17644000A |
| CONTROL-FUEL-QUANTITY-INSTRUMENTATION | | AIR | * | 93-1472 | 48 | .02472 | 65 | 1227 17645000 |
| CONTROL-PITCH-TRIM-SYSTEM | | AIR | * | 93-1472 | 48 | .02472 | 65 | 1227 17648000 |
| AUDIBLE-WARNING-SYSTEM-LANDING-GEAR | | AIR | * | 55-9834 | 76 | .04113 | 66 | 1250 17650000A |
| CONTROL-BOGEY-POSITION-LANDING-GEAR | | AIR | * | 55-9834 | 76 | .04113 | 66 | 1250 17652000A |
| CONTROL-FUEL-SYSTEM | | AIR | * | 19-7868 | 100 | .11637 | 65 | 1198 17654000 |
| WING-FLAP-SYSTEM | | AIR | * | 23-2868 | 192 | .09888 | 65 | 1227 17656000 |
| AUTOPILOT-SYSTEM | | AIR | * | 3-95737 | 500 | .58185 | 65 | 1158 17658000 |
| CONTROL-STABILIZER-HORIZONTAL | | AIR | * | 26-2673 | 406 | .08766 | 64 | 1179 17660000 |
| WINDSHIELD-ANTI-ICE/DE-ICE-SYSTEM | | AIR | * | 2-2679 | 400 | 1-0153 | 65 | 1198 17662000 |
| RADIO-COMPASS-AN/ARN-6 | | AIR | * | 13-5798 | 100 | .16956 | 65 | 1198 17664000 |
| INTERCOM-AN/AIC-18 | | AIR | * | 18-6596 | 228 | .1234 | 66 | 1250 17666000A |
| N-1-COMPASS-SYSTEM | | AIR | * | 3-29776 | 600 | .69823 | 65 | 1198 17668000 |
| NAVIGATION-INDICATING-SYSTEM | | AIR | * | 3-29319 | 1292 | .492 | 66 | 1250 17670000 |
| MARKER-BEACON-AN/ARN-32 | | AIR | * | 18-1435 | 50 | .12691 | 65 | 1198 17672000 |
| KADAR-PRESSURIZATION-AN/ASQ-70 | | AIR | * | 27-9917 | 152 | .08226 | 66 | 1250 17674000 |
| FLIGHT-DIRECTOR-SYSTEM | | AIR | * | 7-76227 | 576 | .29664 | 65 | 1227 17676000 |
| LGR-RANGE-ALT-AN/APN-22 | | AIR | * | 8-94672 | 300 | .46548 | 65 | 1198 17678000 |
| RUDDER-SYSTEM | | AIR | * | 20-1505 | 473 | .11427 | 65 | 1228 17680000 |
| SAFETY-WARNING-HORN-SYSTEM | | AIR | * | 55-9834 | 76 | .04113 | 66 | 1250 17682000A |
| UHF-D-F-SYSTEM-AN/ARA-25 | | AIR | * | 19-7868 | 100 | .11637 | 65 | 1198 17684000 |
| MARKER-BEACON-RADIO-NAVIGATION | | AIR | * | 93-1472 | 48 | .02472 | 65 | 1227 17686000 |
| CONTROL-TEMPERATURE-PRIMARY-HEAT-EXCHANGE-EXIT | | AIR | * | 13-9975 | 304 | .1645 | 66 | 1250 17688000 |
| RECEIVER-AN/ARN-67 | | AIR | * | 19-7868 | 100 | .11637 | 65 | 1198 17690000 |
| RUDDER-TRIM-TAB-ASSEMBLY | | AIR | * | 9-07178 | 100 | .25382 | 65 | 1198 17692000 |
| CONTROL-BOGEY-POSITION-LANDING-GEAR | | AIR | * | 93-1472 | 48 | .02472 | 65 | 1227 17694000 |
| CONTROL-CONSTANT-SPEED-DRIVE-GIL-TEMPERATURE | | AIR | * | 13-9975 | 304 | .1645 | 66 | 1250 17696000A |
| MACH-TRIM-COMPENSATOR-AUTO-PILST | | AIR | * | 46-5736 | 96 | .04944 | 65 | 1227 17698000 |
| CONTROL-PITCH-TRIM-SYSTEM | | AIR | * | 55-9834 | 76 | .04113 | 66 | 1250 17700000A |
| POSITION-INC-RODDER-TRIM-TAB | | AIR | * | 19-7868 | 100 | .11637 | 65 | 1198 17702000 |
| FLIGHT-DIRECTOR-MA-1 | | AIR | * | 6-04801 | 150 | .38072 | 65 | 1198 17704000 |
| INTERCOM-AN/AIC-18 | | AIR | * | 31-049 | 144 | .07416 | 65 | 1227 17706000 |
| DC-POWER-SYSTEM-INSTRUMENTATION | | AIR | * | 23-2868 | 192 | .09888 | 65 | 1227 17708000 |
| MARKER-BEACON-EQUIPMENT | | AIR | * | 27-1597 | 50 | .06478 | 63 | 1198 17710000 |
| DOOR-WARNING-SYSTEM | | AIR | * | 93-1472 | 48 | .02472 | 65 | 1227 17712000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 341 FUSE, AND CIRCUIT PROTECTIVE DEVICES | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------------------------|--|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|----------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| •10 CIRCUIT BREAKER | | | | | | | | | |
| ENGINE-OIL-PRESSURE | | | AIR | * | 11.6434 | 384 | .15776 | 65 | 1227 17714600 |
| CONTROL-EMERGENCY-LIGHTING | | | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 17718000 |
| RECEIVER-AN/ARN-31 | | | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 17718000 |
| ELEVATOR-TRIM-TAB-ASSEMBLY | | | AIR | * | 6.6480 | 150 | .36072 | 65 | 1198 17720000 |
| NEGATOR-TORQUE-CONT-REDUCTION-GEAR | | | AIR | * | .533639 | 1700 | 4.3149 | 65 | 1198 17720000 |
| ENGINE/AUXILIARY-POWER-UNIT. | | | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 17724800 |
| INSTRUMENTATION | | | | | | | | | |
| SPEED-BRAKE-SYSTEM | | | AIR | * | 20.1505 | 473 | .11427 | 65 | 1228 17728000 |
| FLIGHT-DIRECTOR-MA-1 | | | AIR | * | 9.05323 | 150 | .25434 | 63 | 1198 17728000 |
| WARNING-BELL-SYSTEM | | | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 17730000 |
| WING-FLAP-SYSTEM | | | AIR | * | 13.3775 | 304 | .1645 | 66 | 1250 17732000 |
| WING-ANTI-ICE-SYSTEM | | | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 17734800A |
| WINGFIELD-HEAT-ANTI/DE-ICE | | | AIR | * | 5.08974 | 836 | .4524 | 66 | 1250 17736000 |
| VHF-RADIO-OMNIPANGE-NAVIGATION | | | AIR | * | 13.9575 | 304 | .1645 | 66 | 1250 17738000 |
| VHF-COMMUNICATION-SYSTEM | | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17740000A |
| UHF-COMMUNICATION-SYSTEM-AN/ARC-90 | | | AIR | * | 6.59878 | 608 | .329 | 66 | 1250 17742000 |
| TOTAL-TEMPERATURE-SYSTEM. | | | AIR | * | 18.6596 | 228 | .1234 | 66 | 1250 17744000 |
| FLIGHT-INSTRUMENTATION | | | | | | | | | |
| THRUST-REVERSER-SYSTEM | | | AIR | * | 6.99878 | 608 | .329 | 66 | 1250 17746000A |
| TAKE-OFF-WARNING-SYSTEM | | | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 17748000A |
| TACAN-SYSTEM-AN/ARN-21C | | | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 17750600C |
| STARTER-SYSTEM | | | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 17752000A |
| CONTROL-BLEED-AIR-PRESSURE | | | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 17754000 |
| SMOKE-DETECTION-SYSTEM | | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 17756000A |
| | | | | .0183 | | | .06200 | 62 | 2202 17758000 |
| | | | | .133326 | .401907 | | 9.6781 | 62 | 2202 17760000 |
| | | | | .158806 | .617707 | 750 | 6.297 | 65 | 1216 17762000 |
| (STORAGE) | | | GRD | .2 | | | | 63 | 2440 17764000 |
| PROPELLION-ASSEMBLY | | | MSL | .2 | .815246 | 4100 | 4.7712 | 65 | 1198 17765070 |
| ENGINE-CONTROLS | | | AIR | .231755 | .901458 | 1700 | 4.3149 | 65 | 1198 17768000 |
| | | | LAB | .3 | | | | 63 | 1138 17770070 |
| AC-POWER-DISTRIBUTION | | | AIR | .324149 | 1.26084 | 5770 | 3.085 | 66 | 1250 17772000 |
| ENGINE-CONTROLS | | | AIR | .333333 | 1.29656 | 3468 | 3 | 63 | 1114 17774000 |
| JETTISON-FUEL-SYSTEM | | | AIR | .39398 | 1.53246 | 1000 | 2.5302 | 65 | 1198 17776000 |
| | | | LAB | .5 | | | | 61 | 1071 17778000 |
| CONTROL-FUEL-SYSTEM | | | AIR | .512059 | 1.99175 | 3792 | 1.9529 | 65 | 1227 17780000 |
| JETTISON-FUEL-SYSTEM | | | AIR | .566572 | 2.20379 | 2040 | 1.765 | 63 | 1114 17782000 |
| CONTROL-AC-POWER | | | AIR | .677903 | 2.36455 | 3040 | 1.645 | 66 | 1250 17784000 |
| CONTROL-FUEL-SYSTEM | | | AIR | .615517 | 1.63798 | 6004 | 3.2493 | 66 | 1250 17786000 |
| CONTROL-HYDRAULIC-SYSTEM | | | AIR | .935104 | 3.63727 | 1976 | 1.0694 | 66 | 1250 17788000 |
| CONTROL-AC-POWER | | | AIR | 1.01132 | 3.93375 | 1920 | .9888 | 65 | 1227 17790000 |
| ENGINE-CONTROLS | | | AIR | 1.4744 | 2.73493 | 2000 | 3.3912 | 63 | 1198 17792000 |
| AUTOPILOT-SYSTEM | | | AIR | 1.57594 | 6.12995 | 250 | .63454 | 65 | 1198 17794000 |
| ENGINE-CONTROLS | | | AIR | 1.66833 | 3.09466 | 2000 | 2.997 | 63 | 1114 17796000 |
| CONTROL-INTERIOR-LIGHTING | | | AIR | 1.71947 | 2.8914 | 7524 | 4.071 | 66 | 1250 17798000 |

ARMED AIR DEVELOPMENT CENTER, GRAIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

PART CLASS 341 FUSES AND CIRCUIT PROTECTIVE DEVICES

PART DESCRIPTION

FUNCTIONAL APPLICATION

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART PBFU-LATION | PART HOURS | YR OF DATA RPT SINCE REF NO | CRSS |
|------------------------------------|------------------------|-------------|--------------|---------------------|------------------|------------|-----------------------------|----------------|
| | | | | | | | | |
| -10 CIRCUIT BREAKER | | | | | | | | |
| CONTROL-FUEL-SYSTEM | | AIR | 1.943 | 3.41065 | 3370 | 3.088 | 63 | 1114 17800000 |
| CONTROL-BLEED-AIR-SYSTEM | | AIR | 1.96993 | 7.66247 | 200 | .50763 | 65 | 1198 17802000 |
| CONTROL-AIR-CONDITIONING | | AIR | 1.96993 | 7.66247 | 200 | .50763 | 65 | 1198 17804000 |
| CARGO-COMPARTMENT | | | | | | | | |
| PROPELLOR-ASSEMBLY | | AIR | 2.11408 | 3.18998 | 2050 | 5.2032 | 65 | 1198 17806000 |
| AIR-CONDITIONING-SYSTEM | | AIR | 2.21043 | 8.59792 | 836 | .4524 | 66 | 1250 17808000A |
| HYDRAULIC-PROPELLOR | | AIR | 2.21177 | 3.59267 | 4182 | 3.617 | 63 | 1114 17810000 |
| PNEUMATIC-SYSTEM | | AIR | 2.24739 | 8.74168 | 864 | .44496 | 65 | 1227 17812000 |
| QUANTITY-SYSTEM-OIL | | AIR | 2.26757 | 8.82018 | 510 | .441 | 63 | 1114 17814000 |
| AUTOPILOT-SYSTEM | | AIR | 2.35904 | 9.17598 | 250 | .4239 | 63 | 1198 17816000 |
| NAVIGATION-INDICATING-SYSTEM | | AIR | 2.37959 | 9.2559 | 816 | .42024 | 65 | 1227 17818000 |
| CONTROL-FUEL-SYSTEM | | AIR | 2.47647 | 3.7368 | 1750 | 4.4418 | 65 | 1198 17820000 |
| CONTROL-LIGHTING-SYSTEM | | AIR | 2.57798 | 4.0692 | 3000 | 3.4911 | 65 | 1198 17822000 |
| LOW-RANGE-ALT. AN/APN-22 | | AIR | 2.6266 | 10.2166 | 150 | .38072 | 65 | 1198 17824000 |
| AUTOPILOT-SYSTEM | | AIR | 2.66666 | 10.3725 | 250 | .375 | 63 | 1114 17826000 |
| CONTROL-LIGHTING-SYSTEM | | AIR | 2.78106 | 4.12096 | 1700 | 4.3149 | 65 | 1198 17828000 |
| FLIGHT-DIRECTOR-A-F-STANDARD | | AIR | 2.86442 | 11.1417 | 300 | .34911 | 65 | 1198 17830000 |
| PRESSURIZATION-AIR-CONDITIONER | | AIR | 2.9488 | 11.4699 | 200 | .33912 | 63 | 1198 17832000 |
| CONTROL-LIGHTING-SYSTEM | | MSL | 3 | 4.73533 | 3468 | 3 | 58 | 212 17834000 |
| ELECTRONIC-COOLING-SYSTEM | | AIR | 3 | 11.8227 | 608 | .329 | 66 | 1250 17836000 |
| ENGINE-OIL-PRESSURE | | AIR | 3.03951 | 11.8227 | 608 | .329 | 66 | 1250 17838000 |
| QUANTITY-SYSTEM-OIL | | AIR | 3.03951 | 8.38765 | 250 | .63454 | 65 | 1198 17840000 |
| ELEVATOR-TRIM-TAB-ASSEMBLY | | AIR | 3.34448 | 13.009 | 200 | .299 | 63 | 1114 17842000 |
| TIT-INDICATING-SYSTEM | | AIR | 3.34448 | 13.009 | 200 | .299 | 63 | 1114 17844000 |
| ENGINE-INSTRUMENTATION | | | | | | | | |
| PRESSURIZATION-AIR-CONDITIONER | | AIR | 3.34448 | 13.009 | 200 | .299 | 63 | 1114 17846000 |
| CADC-SYSTEM-FLIGHT-INSTRUMENTATION | | AIR | 3.37109 | 13.1125 | 576 | .29664 | 65 | 1227 17848000 |
| CONTROL-AUTO-FLIGHT-SYSTEM | | AIR | 3.47342 | 13.5105 | 532 | .2879 | 66 | 1250 17850000 |
| CONTROL-INTERIOR-LIGHTING | | AIR | 3.67752 | 5.80476 | 4752 | 2.4473 | 65 | 1227 17852000 |
| HF-COMMUNICATION-SYSTEM | | AIR | 3.78071 | 10.061 | 612 | .529 | 63 | 1114 17854000 |
| LOW-RANGE-ALT. AN/APN-22 | | AIR | 3.93174 | 15.2933 | 150 | .25434 | 63 | 1198 17856000 |
| IGNITION/ELECTRICAL-SYSTEMS | | AIR | 3.93972 | 7.87309 | 400 | 1.0153 | 65 | 1198 17858000 |
| PRESSURIZATION-AIR-CONDITIONER | | AIR | 3.9398 | 15.3246 | 100 | .25382 | 65 | 1198 17860000 |
| WING-FLAP-ASSEMBLY | | AIR | 3.9398 | 15.3246 | 100 | .25382 | 65 | 1198 17862000 |
| HF-COMMUNICATION-SYSTEM | | AIR | 3.93985 | 9.77378 | 300 | .76145 | 65 | 1198 17864000 |
| TIT-INDICATING-SYSTEM | | AIR | 3.93987 | 10.4846 | 200 | .50763 | 65 | 1198 17866000 |
| ENGINE-INSTRUMENTATION | | | | | | | | |
| PITCH-TRIM-ACTUATOR | | AIR | 4.05166 | 15.7603 | 456 | .2468 | 66 | 1250 17868000 |
| TORQUEMETER-SYSTEM | | AIR | 4.29664 | 11.434 | 400 | .46548 | 65 | 1198 17870000 |
| ENGINE-INSTRUMENTATION | | | | | | | | |
| COMPUTER-AN/ASN-35 | | AIR | 4.29664 | 16.7126 | 200 | .23274 | 65 | 1198 17872000 |
| LOW-RANGE-ALT. AN/APN-22 | | AIR | 4.44444 | 17.2875 | 150 | .225 | 63 | 1114 17874000 |
| C-12-COMPASS-SYSTEM-NAVIGATION | | AIR | 4.49478 | 17.4833 | 432 | .22248 | 65 | 1227 17876000 |

HOWE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NONELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 341 FUSES AND CIRCUIT PROTECTIVE DEVICES | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LATION HOURS | YR | CROSS |
|-------------------------------------|--|------------------------|-------------|--------------|---------------------|-----------------|-------------------|---------------|------------------|
| | | | | | | | | | |
| PART DESCRIPTION | | | | | | | | BE DATA INDEX | RPT SINCE REF NO |
| .10 CIRCUIT BREAKER | | | | | | | | | |
| ELEVATOR-CONTROL-SYSTEM | | | AIR | 4.49470 | 17.4833 | 432 | .22218 | 65 | 1227 17880000 |
| ELECTRONIC-COOLING-SYSTEM | | | AIR | 5 | | | | 61 | 1048 17882000 |
| HF-COMMUNICATION-SYSTEM | | | AIR | 5.05663 | 19.6687 | 384 | .19776 | 65 | 1227 17884000 |
| IGNITION/ELECTRICAL-SYSTEMS | | | AIR | 5.05663 | 19.6687 | 384 | .19776 | 65 | 1227 17884000 |
| TIT-INDICATING-SYSTEM | | | GRD | 5.10204 | 19.8454 | 180 | .196 | 65 | 1193 17888000 |
| ENGINE-INSTRUMENTATION | | | AIR | 5.66572 | 11.3223 | 816 | .706 | 63 | 1114 17890000 |
| WING-FLAP-ASSEMBLY | | | AIR | 5.66572 | 15.0773 | 408 | .353 | 63 | 1114 17892000 |
| CONTROL-AUTO-FLIGHT-SYSTEM | | | AIR | 5.68181 | 22.1005 | 204 | .176 | 63 | 1114 17894000 |
| ELECTRICAL-COOLING-SYSTEM | | | AIR | 5.77901 | 22.4786 | 336 | .17304 | 65 | 1227 17898000 |
| ELEVATOR-TRIM-TAB-ASSEMBLY | | | AIR | 5.89761 | 22.4776 | 336 | .17304 | 65 | 1227 17898000 |
| RECEIVER, AN/ARN-18/31 | | | AIR | 5.89761 | 15.6944 | 200 | .33912 | 63 | 1198 17902000 |
| INTERCOM, AN/AIC-10 | | | AIR | 5.89761 | 22.9399 | 100 | .16956 | 63 | 1198 17904000 |
| TACAN-SYSTEM, AN/ARN-21C | | | AIR | 5.89761 | 15.6944 | 200 | .33912 | 63 | 1198 17906000 |
| RUDDER-CONTROL-SYSTEM | | | AIR | 6.07902 | 23.6455 | 304 | .1645 | 66 | 1250 17910000A |
| HF-COMMUNICATION-SYSTEM | | | AIR | 6.07902 | 16.1772 | 608 | .329 | 66 | 1250 17912000 |
| FIRE-DETECTION-SYSTEM | | | GRD | 6.17284 | 16.4268 | | .324 | 57 | 212 17914000 |
| TACAN-SYSTEM, AN/ARN-21C | | | AIR | 6.56641 | 12.1803 | 300 | .76145 | 65 | 1198 17916000 |
| RECEIVER, AN/ARN-18/31 | | | AIR | 6.68896 | 17.8003 | 200 | .299 | 63 | 1114 17918000 |
| INTERCOM, AN/AIC-10 | | | AIR | 6.7114 | 26.1053 | 100 | .149 | 63 | 1114 17920000 |
| RADIO-COMPASS, AN/ARN-6 | | | AIR | 6.7114 | 26.1053 | 100 | .149 | 63 | 1114 17922000 |
| GALLEY-SYSTEM | | | AIR | 6.74217 | 26.225 | 288 | .14832 | 65 | 1227 17926000 |
| QUANTITY-SYSTEM-OIL | | | AIR | 7.07714 | 15.7603 | 250 | .4239 | 63 | 1198 17928000 |
| NEGATIVE-TORQUE-CONT-REDUCTION-GEAR | | | AIR | 7.07714 | 15.7603 | 250 | .4239 | 63 | 1198 17930000 |
| TURN-AD-SLIP-FLIGHT-INSTRUMENT | | | AIR | 7.8796 | 30.6492 | 50 | .12691 | 65 | 1198 17932000 |
| UHF-D-F-SYSTEM, AN/ARA-25 | | | AIR | 7.8796 | 30.6492 | 50 | .12691 | 65 | 1198 17934000 |
| AUXILIARY-POWER-PLANT | | | AIR | 7.8796 | 30.6492 | 50 | .12691 | 65 | 1198 17936000 |
| GAS-TURBINE-COMPRESSOR | | | AIR | 7.8796 | 30.6492 | 50 | .12691 | 65 | 1198 17938000 |
| AUXILIARY-POWER-PLANT | | | AIR | 8 | | | | 63 | 1114 17940000 |
| NEGATIVE-TORQUE-CONT-REDUCTION-GEAR | | | AIR | 8 | | | | 63 | 1114 17942000 |
| QUANTITY-SYSTEM-OIL | | | AIR | 8.10372 | 21.5652 | 456 | .2468 | 66 | 1250 17944000 |
| STALL-WARNING-SYSTEM | | | AIR | 8.10372 | 21.5652 | 456 | .2468 | 66 | 1250 17946000A |
| WING-SPOILER-SYSTEM | | | AIR | 8.10372 | 16.1943 | 912 | .4936 | 66 | 1250 17948000A |
| CADC-SYSTEM, FLIGHT-INSTRUMENTATION | | | AIR | 8.10372 | 18.0464 | 684 | .3702 | 66 | 1250 17950000 |
| C-12-COMPASS-SYSTEM, NAVIGATION | | | AIR | 8.23045 | 10.8311 | 1950 | 2.918 | 63 | 1114 17952000 |
| CONTROL, FUEL-SYSTEM | | | AIR | 8.59328 | 33.4252 | 100 | .11637 | 65 | 1198 17954000 |
| JETTISON, FUEL-SYSTEM | | | AIR | 8.59328 | 33.4252 | 100 | .11637 | 65 | 1198 17956000 |
| POSITION-INC, ELEVATOR-TRIM-TAB | | | AIR | 8.59328 | 33.4252 | 100 | .11637 | 65 | 1198 17958000 |
| P-A-SYSTEM, AN/AIC-13 | | | AIR | 8.74367 | 11.9201 | 1850 | 2.173 | 63 | 1114 17960000 |
| CONTROL, LIGHTING-SYSTEM | | | AIR | 8.84642 | 19.7094 | 200 | .33912 | 63 | 1198 17962000 |
| TIT-INDICATING-SYSTEM | | | AIR | | | | | | |
| ENGINE-INSTRUMENTATION | | | AIR | | | | | | |

ROBE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1969

| PART CLASS | 341 FUSES AND CIRCUIT PROTECTIVE DEVICES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | </ |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|

ROME AIR DEVELOPMENT CENTER, GRAIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1948

| PART CLASS | 3-1 FUSES AND CIRCUIT PROTECTIVE DEVICES | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA INDEX | CROSS REF |
|------------------------------------|--|------------------------|-------------|--------------|---------------------|-----------------|------------|------------------|-----------|
| PART DESCRIPTION | | | | | | | | | |
| -10 CIRCUIT BREAKER | | | | | | | | | |
| FIRE-DETECTION-SYSTEM | | | AIR | 21.4461 | 29.0004 | 330 | .93257 | 63 1198 | 18042000 |
| HF-COMMUNICATION-SYSTEM | | | AIR | 21.625 | 32.6304 | 300 | .50867 | 63 1198 | 18045000 |
| FIRE-DETECTION-SYSTEM | | | AIR | 21.6446 | 30.044 | 540 | .824 | 63 1114 | 18045000 |
| UHF-COMMUNICATION-SYSTEM | | | AIR | 22.7272 | 60.4806 | 102 | .088 | 63 1114 | 18048000 |
| POSITION-INDICATOR-TRIM-TAB | | | AIR | 23.5904 | 62.7777 | 50 | .08478 | 63 1198 | 18050000 |
| EMERGENCY-KEYER-AN/ARA-26 | | | AIR | 23.5904 | 62.7777 | 50 | .08478 | 63 1198 | 18052000 |
| AUXILIARY-POWER-PLANT | | | AIR | 23.5904 | 62.7777 | 50 | .08478 | 63 1198 | 18056000 |
| TURBO-AND-SLIP-FLIGHT-INSTRUMENT | | | AIR | 23.5904 | 62.7777 | 50 | .08478 | 63 1198 | 18058000 |
| SEARCH-RADAR-AN/APN-59 | | | AIR | 23.8095 | 44.1652 | 150 | .210 | 63 1114 | 18058000 |
| CONTROL-EMERGENCY-LIGHTING | | | AIR | 24.3131 | 64.7009 | 152 | .08226 | 66 1250 | 18060000A |
| ANTI-ICING/DE-ICING-SYSTEM | | | AIR | 24.3131 | 94.5708 | 76 | .04113 | 66 1250 | 18062000A |
| RUDDER-PEDAL | | | AIR | 24.3131 | 94.5708 | 76 | .04113 | 66 1250 | 18064000 |
| LANDING-GEAR | | | AIR | 24.3131 | 64.7009 | 152 | .08226 | 66 1250 | 18066000 |
| HF-COMMUNICATION-SYSTEM | | | AIR | 24.4444 | 36.8847 | 300 | .45 | 63 1114 | 18068000 |
| AUXILIARY-POWER-PLANT | | | AIR GND | 25 | | | | 61 212 | 18070000 |
| GYRO-SYSTEM-PILOTS-ATTITUDE | | | AIR | 26.6666 | 70.964 | 50 | .075 | 63 1114 | 18072000 |
| FLIGHT-INSTRUMENTATION | | | AIR | 26.6666 | 70.964 | 50 | .075 | 63 1114 | 18074000 |
| POSITION-INDICATOR-TRIM-TAB | | | AIR | 26.6666 | 70.964 | 50 | .075 | 63 1114 | 18076000 |
| EMERGENCY-KEYER-AN/ARA-26 | | | AIR | 26.6666 | 70.964 | 50 | .075 | 63 1114 | 18078000 |
| TURBO-AND-SLIP-FLIGHT-INSTRUMENT | | | AIR | 26.6666 | 70.964 | 50 | .075 | 63 1114 | 18080000 |
| IGNITION/ELECTRICAL-SYSTEMS | | | AIR | 26.7111 | 37.4818 | 400 | .599 | 63 1114 | 18082000 |
| IGNITION/ELECTRICAL-SYSTEMS | | | AIR | 28.014 | 30.1413 | 400 | .67923 | 63 1198 | 18084000 |
| CONTROL-CONSTANT-SPEED-DRIVE | | | AIR | 30.3333 | 61.2647 | 152 | .09888 | 65 1227 | 18086000 |
| OIL-TEMPERATURE | | | | | | | | | |
| GYRO-SYSTEM-PILOTS-ATTITUDE | | | AIR | 35.3837 | 78.8016 | 50 | .08478 | 63 1198 | 18088000 |
| DOPPLER-RADAR-AN/APN-147 | | | AIR | 39.3979 | 60.6991 | 100 | .25382 | 65 1198 | 18090000 |
| N-1-COMPASS-SYSTEM | | | AIR | 40 | 89.0773 | 50 | .075 | 63 1114 | 18092000 |
| ENGINE-INLET-FUEL-PUMP | | | AIR | 40.453 | 157.35 | 48 | .02472 | 65 1227 | 18094000 |
| RUEBER-PEDAL | | | AIR | 40.453 | 157.35 | 48 | .02472 | 65 1227 | 18096000 |
| VHF-COMMUNICATION-SYSTEM-AN/ARC-49 | | | AIR | 47.1809 | 94.2857 | 50 | .08478 | 63 1198 | 18098000 |
| UHF-D-F-SYSTEM-AN/ARA-25 | | | AIR | 47.1809 | 94.2857 | 50 | .08478 | 63 1198 | 18100000 |
| DC-POWER-SUPPLY | | | AIR | 51.5596 | 90.5052 | 100 | .11637 | 65 1198 | 18102000 |
| VHF-COMMUNICATION-SYSTEM-AN/ARC-49 | | | AIR | 53.9333 | 106.58 | 50 | .075 | 63 1114 | 18104000 |
| VHF-NAVIGATION-SYSTEM-AN/ARN-14 | | | AIR | 53.9333 | 106.58 | 50 | .075 | 63 1114 | 18106000 |
| VHF-NAVIGATION-SYSTEM-AN/ARN-14 | | | AIR | 53.9333 | 106.58 | 50 | .075 | 63 1114 | 18108000 |
| UHF-D-F-SYSTEM-AN/ARA-25 | | | AIR | 58.9761 | 109.397 | 50 | .08478 | 63 1198 | 18110000 |
| VHF-NAVIGATION-SYSTEM-AN/ARN-14 | | | AIR | 58.9761 | 109.397 | 50 | .08478 | 63 1198 | 18112000 |
| UHF-COMMUNICATION-SYSTEM-AN/ARC-34 | | | AIR | 58.9761 | 109.397 | 50 | .08478 | 63 1198 | 18114000 |
| N-1-COMPASS-SYSTEM | | | AIR | 62.5 | 243.106 | | .016 | 63 1100 | 18116000 |
| UHF-COMMUNICATION-SYSTEM-AN/ARC-34 | | | SIN AIR | 66.6666 | 123.662 | 50 | .075 | 63 1114 | 18118000 |
| AUXILIARY-POWER-UNIT | | | AIR | 71.4285 | 277.835 | 48 | .014 | 59 1110 | 18120000 |
| LANDING-GEAR | | | AIR | 80.9061 | 215.303 | 48 | .02472 | 65 1227 | 18122000 |
| UHF-COMMUNICATION-SYSTEM-AN/ARC-34 | | | AIR | 133.333 | 354.82 | 68 | .015 | 63 1114 | 18124000 |
| DC-POWER-DISTRIBUTION | | | AIR | 167.504 | 445.753 | 31 | .01194 | 63 1111 | 18126000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 341 FUSES AND CIRCUIT PROTECTIVE DEVICES
PART DESCRIPTION FUNCTIONAL APPLICATION

60 CIRCUIT BREAKER

PURGE-SYSTEM-FUEL
DC-POWER-SUPPLY
PURGE-SYSTEM
DC-POWER-SUPPLY
CONTROL-SPOILER-POSITION-SYSTEM
CONTROL-SPOILER-POSITION-SYSTEM
LC-POWER-SUPPLY
DC-POWER-SUPPLY

AC-POWER-DISTRIBUTION
AC-POWER-SUPPLY
AC-POWER-SUPPLY
AC-POWER-SUPPLY
AC-POWER-SUPPLY
AC-POWER-SUPPLY
AC-POWER-SUPPLY
BIMETAL-SINGLE-PHASE-0-

309

SWAMP

SWITCH-TYPE
THERMAL
THERMAL
THERMAL
THERMAL
1/2AMP-115VAC-400CPS
3-PHASE

70 SEALFO CARTRIDGE

FUSES
FUSES

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | PART HOURS | YR OF DATA | CROSS REF NO |
|-------------|--------------|---------------------|-------------|------------|------------|----------------|
| AIR | 176.928 | 251.148 | 50 | .08478 | 63 | 1198 18128000 |
| AIR | 196.989 | 257.751 | 50 | .12691 | 65 | 1198 18130000 |
| AIR | 200 | 283.898 | 50 | .075 | 63 | 1114 18132000 |
| AIR | 204.545 | 291.321 | 102 | .088 | 63 | 1114 18134000 |
| GRD | 238.095 | 441.652 | | .021 | 60 | 1067 18136000A |
| AIR | 242.718 | 426.055 | 48 | .02472 | 65 | 1227 18138000 |
| AIR | 243.131 | 374.584 | 76 | .04112 | 66 | 1250 18140000A |
| AIR | 558.129 | 734.501 | | .043 | 60 | 1067 18142000A |
| AIR | 1956 | 2167.49 | 50 | .08478 | 63 | 1198 18144000 |
| AIR | 2146.66 | 2380.14 | 50 | .075 | 63 | 1114 18146000 |
| AIR | 539374 | 2.098 | 3600 | 1.854 | 65 | 1227 18148000 |
| AIR | 1.38876 | 1.94875 | 9900 | 11.521 | 65 | 1198 18150000 |
| AIR | 133.333 | 354.82 | 68 | .015 | 63 | 1114 18152000 |
| AIR | 136.363 | 202.063 | 102 | .088 | 63 | 1114 18154000 |
| AIR | 149.712 | 204.101 | 50 | .12691 | 65 | 1198 18156000 |
| AIR | 1226.7 | 1395.7 | 50 | .08478 | 63 | 1198 18158000 |
| AIR | 1280 | 1464.22 | 50 | .075 | 63 | 1114 18160000 |
| LAB | .5 | | | | 63 | 1127 18162000 |
| GRD | 243368 | 486344 | 2183 | 16.436 | 64 | 1210 18164000 |
| SIM AIR | * | 2302.6 | 4 | .001 | 64 | 1154 18166000 |
| LAB | .3 | | | | 63 | 1138 18168000 |
| GEN | 1 | | | | 62 | 1078 18170000 |
| SIM SHP | 166.666 | 648.283 | 18 | .006 | 64 | 1145 18172000A |
| SUB | 101954 | 178965 | 932 | 58.85 | 66 | 1261 18174000A |
| GRD | * | 516.278 | | .0046 | 64 | 1180 18176000 |
| LAB | * | 166.372 | 27 | .01384 | 64 | 1154 18178000 |
| LAB | * | 69.5649 | 63 | .0331 | 66 | 1233 18180000A |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 342 FUSELAGES | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | PART YR | CROSS |
|------------------|---------------|------------------------|-------------|--------------|---------------------|-------------|---------|------------------|
| PART DESCRIPTION | | | | | | | OF DATA | INDEX |
| | | | | | | | REF | |
| | | | | | | | APY | SACE REF NO |
| .00 H.O.C. | | | | | | | | |
| AFT | | | | | | | | |
| CENTER | | | MELI | 533.333 | 748.386 | 120 | .03 | 65 1215 18182000 |
| REMOVABLE.AFT | | | MELI | 500 | 704.746 | 120 | .03 | 65 1215 18182000 |
| REMOVABLE.AFT | | | AIR | 420.057 | 508.948 | 473 | .11427 | 65 1228 18186000 |
| REMOVABLE.AFT | | | AIR | 570.385 | 688.335 | 506 | .08766 | 64 1179 18180000 |
| REMOVABLE.AFT | | | AIR | 876.634 | 931.656 | 597 | .51789 | 67 1272 18190000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 342 GASKETS AND SEALS | | | | UPPER | PART | YR | CROSS |
|---|-------------------------------------|-------------|--------------|---------------|------------|------------|---------|---------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | 90 CONF LIMIT | POPULATION | PART HOURS | OF DATA | INDEX |
| .00 N.B.C. | | | | | | | | |
| CORD. HOUSING-COVER, REGULATOR, PROPELLER | | | | | | | | |
| GASKETS | MAGNETIC-PLUG-REDUCTION-GEAR | AIR | 26.7536 | 220.754 | 64 | .01762 | 65 | 1201 18192000 |
| GASKETS | PUMP-OIL-MAIN-LUBE-SYSTEM | AIR | .501379 | 1.95021 | 1715 | 1.9945 | 65 | 1201 18194000 |
| GASKETS | CYCLIC-FREATHER-BASIC-ENGINE | AIR | 1.947 | 7.57325 | 520 | .51361 | 65 | 1201 18196000 |
| GASKETS | ANTI-ICE-SYSTEM | AIR | 2093.8 | 2739.63 | 31 | .01194 | 63 | 1111 18200000 |
| GASKETS-CORK | | LAB | .04 | | | | 63 | 1138 18202000 |
| GASKETS-IMPREGNATED | | LAB | .14 | | | | 63 | 1138 18204000 |
| GASKETS-IMPREGNATED | | AIR | 7 | | | | 61 | 1063 18206000 |
| GASKETS-MONEL-MESH | | LAB | .05 | | | | 63 | 1138 18208000 |
| GASKETS-PHENOLIC | | LAB | .05 | | | | 63 | 1138 18210000 |
| GASKETS-PHENOLIC | | AIR | 2.5 | | | | 61 | 1068 18212000 |
| GASKETS-RUBBER | | LAB | .02 | | | | 63 | 1138 18214000 |
| GASKETS-RUBBER | | AIR | 1 | | | | 61 | 1068 18216000 |
| RINGS | APR-6.5-11 | AIR | * | 220.344 | 50 | .01045 | 63 | 1198 18218000 |
| RINGS | NOZZLE-DIFFUSER-CASE | AIR | * | 24.1109 | 248 | .0955 | 63 | 1111 18220000 |
| WATER-INJECTION-SYSTEM | | | | | | | | |
| RINGS | ACTUATOR-AFTERBURNER-TURBOJET-J-85 | AIR | * | 10.2752 | 946 | .2285 | 65 | 1228 18222000 |
| RINGS | SPRING-UPSTOP-LANDING-GEAR-MAIN | AIR | * | 4.94672 | 402 | .56512 | 63 | 1192 18224000 |
| RINGS | D-EJECTION-SYSTEM | AIR | * | 96.4641 | 62 | .62387 | 63 | 1111 18226000 |
| RINGS | GEAR-DAMPER-ACCESSORY-DRIVE | AIR | 2.63754 | 10.2592 | 400 | .37914 | 65 | 1201 18228000 |
| RINGS | NOZZLE-ENGINE-INLET | AIR | 10.4712 | 40.7298 | 248 | .0955 | 63 | 1111 18230000 |
| WATER-INJECTION-SYSTEM | | | | | | | | |
| RINGS | SPRING-UPSTOP-LANDING-GEAR-MAIN | AIR | 11.8196 | 20.7475 | 200 | .50763 | 65 | 1198 18232000 |
| RINGS | SPRING-UPSTOP-LANDING-GEAR-MAIN | AIR | 14.1643 | 26.2739 | 408 | .353 | 63 | 114 18234000 |
| RINGS | SPRING-UPSTOP-LANDING-GEAR-MAIN | AIR | 70.7714 | 93.1338 | 200 | .33912 | 63 | 1192 18236000 |
| RINGS | SPRING-UPSTOP-LANDING-GEAR-MAIN | AIR | 73.5785 | 98.061 | 260 | .299 | 63 | 1111 18238000 |
| RINGS | ACTUATOR-DOUBLE-ACTING-ROTARY | LAB | * | 2302.6 | 1 | .001 | 64 | 1197 18240000 |
| RINGS | (60CPS, V-110RMS) | | | | | | | |
| RINGS | ACTUATOR-DOUBLE-ACTING-ROTARY | LAB | * | 2302.6 | 1 | .001 | 64 | 1197 18242000 |
| RINGS | (60CPS, V-110RMS) | | | | | | | |
| RINGS | ACTUATOR-DOUBLE-ACTING-ROTARY | LAB | * | 2302.6 | 1 | .001 | 64 | 1197 18244000 |
| RINGS | (60CPS, V-110RMS) | | | | | | | |
| RINGS | ACTUATOR-VARIABLE-GEOMETRY | AIR | 4.3750 | 17.0197 | 946 | .22854 | 65 | 1228 18246000 |
| TURBOJET-J-85 | | | | | | | | |
| RINGS | SPEED-CONTROL-PSWEN-SECTION | AIR | 1.00275 | 2.66848 | 1716 | 1.9945 | 65 | 1201 18248000 |
| RINGS | SPEED-CONTROL | AIR | 2.03754 | 10.2592 | 400 | .37914 | 65 | 1201 18250000 |
| RINGS | NOSE-COWL-ANTI-ICE-SYSTEM | AIR | 20.9424 | 55.7356 | 248 | .0955 | 63 | 1111 18252000 |
| RINGS | ANTI-SKID-LANDING-GEAR | AIR | 13.5519 | 52.7131 | | .07379 | 66 | 1241 18254000 |
| RINGS | COMPRESSOR-INSPECT-DOOR | AIR | * | 46.3393 | | .04469 | 63 | 1123 18256000 |
| RINGS | ACCESSORY-DRIVE-REDUCTION-GEAR | AIR | 1.00275 | 2.66848 | 1716 | 1.9945 | 65 | 1201 18258000 |
| RINGS | GEARBOX-ACCESSORY-DRIVE | AIR | .965531 | 3.75362 | 1194 | 1.0357 | 67 | 1272 18260000 |
| RINGS | GEARBOX-ACCESSORY-DRIVE | AIR | 17.5024 | 34.9705 | 946 | .22854 | 65 | 1222 18262000 |
| RINGS | GEARBOX-ACCESSORY-DRIVE | AIR | 28.5192 | 52.9015 | 612 | .17532 | 64 | 1179 18264000 |
| RINGS | DOOR-EMERGENCY-FORWARD-ESCAPE-HATCH | AIR | * | 55.9834 | 76 | .06113 | 66 | 1250 18266000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 345 GASKETS AND SEALS | UPPER 90 CMHF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|-----------------------------|---|---------------------------|--------------------|---------------|---------------|----------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | ENVIRONMENT | SEALS | REF | NP |
| .00 N-8-C. | | | | | | |
| RINGS-PULL | DOOR-EMERGENCY-FORWARD-ESCAPE-HATCH | 40.453 | AIR | | | |
| RINGS-PULL | RAM-AIR-ISTON-LOADER-20MM-GUN | 190R | GRD | | | |
| RINGS-RETAINING | GUN-MOUNT | * | AIR | | | |
| RINGS-RETAINING | INNER-MEMBER-SAFETY-COUPLING | 501379 | AIR | | | |
| RINGS-RETAINING | SAFETY-COUPLING-REDUCTION-GEAR | 1.79079 | AIR | | | |
| RINGS-SPACER | FRONT-FRAME-TURBOJET-J-85 | 4.3756 | AIR | | | |
| RINGS-SPHERICAL-THRUST-FACE | REDUCTION-GEAR | 1.79079 | AIR | | | |
| RINGS-TIE-DOWN | FLOOR-CARGO | 57.8034 | HELI | | | |
| RINGS-TIE-DOWN | FLOOR-CARGO | 157.053 | HELI | | | |
| RINGS-TORQUE | TURBINE-SECTION-TURBOJET-J-85 | * | AIR | | | |
| SEALS | AIR-BLEED-DUCT/ENGINE-BLEED-VALVE | * | AIR | | | |
| SEALS | ENTRY-LADDER-FLIGHT-STATION | * | AIR | | | |
| SEALS | CARGO-COMPARTMENT | * | AIR | | | |
| SEALS | FAIRING-BULLET-HORIZONTAL-STABILIZER | * | AIR | | | |
| SEALS | CONSTRUCTION-SECTION-TURBOJET-J-85 | * | AIR | | | |
| SEALS | TAIL-EMPENNAGE-TO-ELEVATOR | * | AIR | | | |
| SEALS | HORIZONTAL-STABILIZER | * | AIR | | | |
| SEALS | MAIN-FRAME-TURBOJET-J-85 | * | AIR | | | |
| SEALS | COMPRESSOR-TURBOJET-J-85 | * | AIR | | | |
| SEALS | DOOR-RADIO-COMPARTMENT-WING | * | AIR | | | |
| SEALS | STABILIZER-VERTICAL-TO-RUDDER | * | AIR | | | |
| SEALS | EMPENNAGE | * | AIR | | | |
| SEALS | CAMERA-WINDOW-AIRFRAME | * | AIR | | | |
| SEALS | FAIRING-BULLET-HORIZ-STAB-EMPENNAGE | * | AIR | | | |
| SEALS | ENTRY-LADDER-FLT-STATION-CARGO-COMP | * | AIR | | | |
| SEALS | WINDOW-CARGO | * | AIR | | | |
| SEALS | VARIABLE-M872-E-AFTERBURNER | * | AIR | | | |
| SEALS | TURBOJET-J-85 | * | AIR | | | |
| SEALS | TAIL-EMPENNAGE-TO-ELEVATOR-HORIZ-STABILIZER | * | AIR | | | |
| SEALS | WINDOW-CARGO | * | AIR | | | |
| SEALS | FLAP-OUTBOARD-WING | * | AIR | | | |
| SEALS | DOOR-RADIO-COMPARTMENT-WING | * | AIR | | | |
| SEALS | DOOR/AIRCRAFT-SPEED-BRAKE-ASSEMBLY | * | AIR | | | |
| SEALS | DOOR-LIFT-KRAFT-WING | * | AIR | | | |
| SEALS | DOPPLER-RACAR-AN/APN-147 | * | AIR | | | |
| SEALS | RADAR-SEARCH-RADAR-AN/APN-59 | * | AIR | | | |
| SEALS | PUSH-ROD-ELEVATOR-ASSEMBLY | * | AIR | | | |
| SEALS | RELEASE-EMERGENCY-PRESSURE-BULKHEAD | * | AIR | | | |
| SEALS | MAIN-LANDING-GEAR | * | AIR | | | |
| SEALS | SHAFT-COMBUSTION-SECTION-TURBOJET-J-85 | * | AIR | | | |
| SEALS | WING-INSPECTION-MAIN-LANDING-GEAR | * | AIR | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 45 GASKETS AND SEALS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | 90 CONF LIMIT | PPDU- LATION | PART HOURS | YR | CROSS |
|------------------|---|------------------------|-------------|--------------|---------------|--------------|------------|----|---------------|
| PART DESCRIPTION | | | | | | | | | |
| .00 N.S.C. | | | | | | | | | |
| SEALS | STABILIZER, VERTICAL-TO- RUDDER, EMPENNAGE | AIR | AIR | 501379 | 93.1172 | 48 | .02472 | 55 | 1227 18342000 |
| SEALS | OIL-TUBE, COMBUSTION-CHAMBER, POWER-SECTION | AIR | AIR | | 1.95021 | 1716 | 1.9945 | 65 | 1201 18344000 |
| SEALS | PUMP, FUEL | AIR | AIR | 1.00275 | 2.66848 | 1716 | 1.9945 | 65 | 1201 18345000 |
| SEALS | PUMP, OIL, POWER-SECTION | AIR | AIR | 1.00275 | 2.66848 | 1716 | 1.9945 | 65 | 1201 18348000 |
| SEALS | SHAFT, EXTENSION, COMPRESSOR, POWER-SECTION | AIR | AIR | 1.00275 | 2.66848 | 1716 | 1.9945 | 65 | 1201 18350000 |
| SEALS | CONV. NOSE, ENGINE-MACELLE | AIR | AIR | 1.68554 | 5.55626 | 1152 | .59328 | 65 | 1227 18352000 |
| SEALS | SHAFT, STARTER, REDUCTION-GEAR | AIR | AIR | 1.75070 | 6.96567 | 708 | .55841 | 65 | 1201 18354000 |
| SEALS | DRIVE, PUMP, FUEL, LUBE-SYSTEM | AIR | AIR | 1.79079 | 6.96567 | 708 | .55841 | 65 | 1201 18356000 |
| SEALS | DRIVE, ALTERNATOR, LUBE-SYSTEM | AIR | AIR | 1.79079 | 6.96567 | 708 | .55841 | 65 | 1201 18358000 |
| SEALS | COMPRESSOR, REAR, POWER-SECTION | AIR | AIR | 1.947 | 7.57325 | 328 | .51361 | 65 | 1201 18360000 |
| SEALS | DRIVE, PUMP, FUEL, LUBE-SYSTEM | AIR | AIR | 1.947 | 7.57325 | 328 | .51361 | 65 | 1201 18362000 |
| SEALS | DRIVE, TACHOMETER, LUBE-SYSTEM | AIR | AIR | 2.50689 | 4.65013 | 1716 | 1.9945 | 65 | 1201 18364000 |
| SEALS | SHAFT, PROPELLER, LUBE-SYSTEM | AIR | AIR | 2.73059 | 10.6212 | 244 | .36622 | 65 | 1201 18366000 |
| SEALS | SHAFT, CONTROLLER, LUBE-SYSTEM | AIR | AIR | 2.73059 | 10.6212 | 244 | .36622 | 65 | 1201 18368000 |
| SEALS | SHAFT, STARTER, LUBE-SYSTEM | AIR | AIR | 2.73059 | 10.6212 | 244 | .36622 | 65 | 1201 18370000 |
| SEALS | DRIVE, FUEL, PUMP, LUBE-SYSTEM | AIR | AIR | 2.73059 | 10.6212 | 244 | .36622 | 65 | 1201 18372000 |
| SEALS | COMPRESSOR, FRONT, POWER-SECTION | AIR | AIR | 2.83535 | 11.0286 | 448 | .35269 | 65 | 1201 18374000 |
| SEALS | INLET-SLEEVE, OIL-TUBE, POWER-SECTION | AIR | AIR | 2.83535 | 11.0286 | 448 | .35269 | 65 | 1201 18376000 |
| SEALS | PANEL, ACCESS, FUEL-WING | AIR | AIR | 2.8895 | 11.2393 | 672 | .34608 | 65 | 1227 18378000 |
| SEALS | TURBINE, FRONT, POWER-SECTION | AIR | AIR | 3.00827 | 5.28057 | 1716 | 1.9945 | 65 | 1201 18380000 |
| SEALS | TURBINE, REAR, POWER-SECTION | AIR | AIR | 3.00827 | 5.28057 | 1716 | 1.9945 | 65 | 1201 18382000 |
| SEALS | COMBUSTION-CHAMBER, INNER, POWER-SECTION | AIR | AIR | 3.00827 | 5.28057 | 1716 | 1.9945 | 65 | 1201 18384000 |
| SEALS | PANEL, ACCESS, FUEL-WING | AIR | AIR | 3.47342 | 9.24331 | 1164 | .5758 | 66 | 1250 18386000 |
| SEALS | SHAFT, PROPELLER, REDUCTION-GEAR | AIR | AIR | 3.58159 | 9.53116 | 708 | .55841 | 65 | 1201 18388000 |
| SEALS | TURBINE, REAR, POWER-SECTION | AIR | AIR | 3.894 | 10.3625 | 528 | .51361 | 65 | 1201 18390000 |
| SEALS | SEALS | | | 3.93 | | | | 62 | 2232 18392000 |
| SEALS | SPOILER, WING-SPOILER-SYSTEM | AIR | AIR | 4.49478 | 8.98232 | 1728 | .88992 | 65 | 1227 18394000 |
| SEALS | SHAFT, EXTENSION, COMPRESSOR, POWER-SECTION | AIR | AIR | 4.86121 | 18.9086 | 260 | .20571 | 65 | 1201 18396000 |
| SEALS | CONV. NOSE, ENGINE-MACELLE | AIR | AIR | 5.11247 | 9.40333 | 1824 | .978 | 66 | 1250 18398000 |
| SEALS | PUMP, OIL, SCAVENGE, TURBINE, REAR | AIR | AIR | 5.27507 | 14.0378 | 460 | .37914 | 65 | 1201 18400000 |
| SEALS | TURBINE, REAR, POWER-SECTION | AIR | AIR | 5.27509 | 14.0378 | 460 | .37914 | 65 | 1201 18402000 |
| SEALS | DRIVE, OIL-PUMP/TALKMETER | AIR | AIR | 5.27516 | 14.0378 | 460 | .37914 | 65 | 1201 18404000 |
| SEALS | GEARBOX, ACCESSORY-DRIVE | AIR | AIR | 5.70385 | 22.1862 | 812 | .17532 | 64 | 1179 18406000 |
| SEALS | FUEL, PYLON-TO-WING | AIR | AIR | 6.07902 | 23.6455 | 304 | .1645 | 66 | 1250 18408000 |
| SEALS | GEARBOX, ACCESSORY-DRIVE | AIR | AIR | 7.72424 | 12.5467 | 3194 | 1.0357 | 67 | 1772 18410000 |
| SEALS | EDGE, LEADING-EDGE, STAB, EMPENNAGE | AIR | AIR | 8.09061 | 21.3303 | 496 | .2472 | 65 | 1227 18412000 |
| SEALS | DOOR, LANDING-GEAR, NOSE-AFT | AIR | AIR | 8.19372 | 31.941 | 228 | .234 | 66 | 1250 18414000 |
| SEALS | FINAL-DRIVE (14-MILES) | GRD | GRD | 6.1103M | 31.5466M | 30 | .1233M | 56 | 1255 18416000 |
| SEALS | TURBINE, FRONT, POWER-SECTION | AIR | AIR | 6.50609 | 18.9424 | 448 | .35269 | 65 | 1201 18418000 |
| SEALS | RADOME, SEARCH-RADAR, AR/APN-59 | AIR | AIR | 8.59320 | 33.4252 | 100 | .11637 | 63 | 1198 18420000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 945 GASKETS AND SEALS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOUR | YR OF DATA INDEX FOR SPEC REF NO | CROSS INDEX |
|------------------|-----------------------|---|-------------|--------------|---------------------|-----------------|-----------|----------------------------------|---------------|
| PART DESCRIPTION | | | | | | | | | |
| SEALS | | KADOME-ANTI-ICE/DE-ICE-SYSTEM | AIR | 6.59318 | 22.868 | 200 | .23234 | 65 | 1198 18422000 |
| SEALS | | FRONT-FRAME-TURBOJET-J-85 | AIR | 8.7512 | 23.2882 | 946 | .22894 | 65 | 1223 18424000 |
| SEALS | | VARIABLE-EXHAUST-AFTERBURNER-TURBOJET-J85 | AIR | 8.7512 | 23.2882 | 946 | .22854 | 65 | 1225 18426000 |
| SEALS | | TURBINE-SECTION-TURBOJET-J-85 | AIR | 8.7512 | 23.2882 | 946 | .22354 | 65 | 1225 18428000 |
| SEALS | | FUSELAGE-WHEEL-WEEL-FAIRING | AIR | 9.84959 | 16.2705 | 260 | .20762 | 65 | 1193 18430000 |
| SEALS | | DOOR-LIFE-RAFT-WHEEL-WEEL-PRO | AIR | 10.1132 | 36.3375 | 192 | .09888 | 65 | 1227 18432000 |
| SEALS | | DOOR-OLEO-LANDING-GEAR | AIR | 10.1132 | 36.3375 | 192 | .09888 | 65 | 1227 18434000 |
| SEALS | | SHAFT-EXTENSION-COMPRESSOR-POWER-SECTION | AIR | 11.3414 | 22.6645 | 448 | .35269 | 65 | 1201 18436000 |
| SEALS | | DUCT-MANIPY-REFUG-SYSTEM | AIR | 11.4077 | 30.3576 | 812 | .17532 | 64 | 1179 18438000 |
| SEALS | | DRIVE-SPEED-VALVE-LUBE-SYSTEM | AIR | 11.582 | 20.506 | 520 | .51361 | 65 | 1201 18440000 |
| SEALS | | RELEASE-EMERGENCY-PRESSURE-BULKHEAD-MAIN-LANDING-GEAR | AIR | 12.1565 | 47.2634 | 192 | .08226 | 66 | 1250 18442000 |
| SEALS | | DOOR-LIFE-RAFT-WING | AIR | 12.1565 | 47.2634 | 152 | .08226 | 66 | 1250 18444000 |
| SEALS | | FLAP-OUTBOARD-WING | AIR | 12.1565 | 47.2634 | 152 | .08226 | 66 | 1250 18446000 |
| SEALS | | DOOR-ELECTRIC-ATO/SPOILER | AIR | 12.8899 | 28.7049 | 200 | .23274 | 65 | 1198 18448000 |
| SEALS | | DOOR-LANDING-GEAR-NOSE-AFT | AIR | 12.8899 | 28.7049 | 200 | .23274 | 65 | 1198 18450000 |
| SEALS | | DOOR-LANDING-GEAR-NOSE-AFT | AIR | 13.4843 | 52.4501 | 144 | .27414 | 65 | 1227 18452000 |
| SEALS | | FUSELAGE-WHEEL-WEEL-FAIRING | AIR | 14.1843 | 26.2739 | 405 | .353 | 65 | 1114 18454000 |
| SEALS | | DRIVE-SPEED-VALVE | AIR | 14.5399 | 18.6505 | 1716 | 1.9945 | 65 | 1201 18456000 |
| SEALS | | EDGE-LEADING-HORIZONTAL-STABILIZER-EMPERNAGE | AIR | 14.5399 | 25.6068 | 750 | .3113 | 66 | 1250 18458000 |
| SEALS | | COMPRESSOR-REAR-POWER-SECTION | AIR | 15.5827 | 19.7692 | 1716 | 1.9945 | 65 | 1201 18460000 |
| SEALS | | OIL-FILTER-POWER-SECTI | AIR | 15.8252 | 27.7705 | 400 | .37914 | 65 | 1201 18462000 |
| SEALS | | SPEED-CONTROL-LUBE-SYSTEM | AIR | 16.0441 | 20.3272 | 1716 | 1.9945 | 65 | 1201 18464000 |
| SEALS | | TURBINE-POWER-SECTION | AIR | 17.0121 | 29.8622 | 648 | .35269 | 65 | 1201 18466000 |
| SEALS | | DUCT-CANOPY-DEFUG-SYSTEM | AIR | 17.5824 | 34.9765 | 946 | .22854 | 65 | 1228 18468000 |
| SEALS | | DUCT-CANOPY-DEFUG-SYSTEM | AIR | 18.345 | 25.0097 | 1194 | 1.0357 | 67 | 1272 18470000 |
| SEALS | | COMPRESSOR-REAR-POWER-SECTION | AIR | 18.4828 | 31.0463 | 400 | .37914 | 65 | 1201 18472000 |
| SEALS | | HATCH-ESCAPE-SYSTEM | AIR | 18.5219 | 43.2896 | 63 | .10798 | 65 | 1155 18474000 |
| SEALS | | FUSELAGE-WHEEL-WEEL-FAIRING | AIR | 20.0668 | 25.2244 | 200 | .299 | 65 | 1114 18476000 |
| SEALS | | DRIVE-ALTERNATOR-LUBE-SYSTEM | AIR | 21.5592 | 26.4156 | 1716 | 1.9945 | 65 | 1201 18478000 |
| SEALS | | SPOILER-WING-SPOILER-SYSTEM | AIR | 21.607 | 27.3752 | 2736 | 1.481 | 66 | 1250 18480000 |
| SEALS | | SHAFT-PROPELLER | AIR | 22.0606 | 26.9654 | 1716 | 1.9945 | 65 | 1201 18482000 |
| SEALS | | COMPRESSOR-FRONT-POWER-SECTION | AIR | 22.562 | 27.5146 | 1716 | 1.9945 | 65 | 1201 18484000 |
| SEALS | | FUSELAGE-WHEEL-WEEL-FAIRING | AIR | 23.5904 | 38.3186 | 200 | .35312 | 65 | 1198 18486000 |
| SEALS | | RACOPS-DOPPLER-RADAR-AN/APN-147 | AIR | 24.3131 | 94.5708 | 76 | .04113 | 66 | 1250 18488000 |
| SEALS | | GEARBOX-ACCESSORY-DRIVE | AIR | 26.2536 | 46.0842 | 946 | .22854 | 65 | 1228 18490000 |
| SEALS | | CRUISE-STARTER-LUBE-SYSTEM | AIR | 28.5785 | 34.0681 | 1716 | 1.9945 | 65 | 1201 18492000 |
| SEALS | | PROP-SHAFT-REDUCTION-GEAR-SYSTEM | AIR | 32.258 | 85.8435 | 272 | .062 | 63 | 1114 18494000 |
| SEALS | | SHAFT-STARTER-LUBE-SYSTEM | AIR | 33.099 | 45.811 | 528 | .51361 | 65 | 1201 18496000 |
| SEALS | | SPEED-CONTROL-LUBE-SYSTEM | AIR | 35.046 | 48.2005 | 528 | .51361 | 65 | 1201 18498000 |
| SEALS | | PROP-SHAFT-REDUCTION-GEAR-SYSTEM | AIR | 36.8271 | 53.7052 | 408 | .353 | 63 | 1114 18500000 |
| SEALS | | COMPRESSOR-FRONT-POWER-SECTION | AIR | 38.2283 | 54.9614 | 244 | .36622 | 65 | 1201 18502000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 345 GASKETS AND SEALS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------|-----------------------|---|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| SEALS | | DOOR-LANDING-GEAR-NOSE-FORWARD | AIR | 40.453 | 90.0863 | 144 | .07416 | 65 | 1227 18504000 |
| SEALS | | SUPVIVAL-EQUIPMENT | AIR | 42.9664 | 79.7 | 100 | .11637 | 65 | 1198 18506000 |
| SEALS | | ENGINE-INLET-DUCT | AIR | 45.045 | 83.5558 | 640 | .11 | 61 | 1080 18508000 |
| SEALS | | DRIVE-TACHOMETER | AIR | 56.7536 | 220.754 | 64 | .01762 | 65 | 1201 18510000 |
| SEALS | | SPEED-CONTROL-LUBE-SYSTEM | AIR | 56.7536 | 220.754 | 64 | .01762 | 65 | 1201 18512000 |
| SEALS | | SHAFT-PROPELLER | AIR | 58.026 | 77.3335 | 400 | .37914 | 65 | 1201 18514000 |
| SEALS | | DRIVE-ALTERNATOR-LUBE-SYSTEM | AIR | 60.357 | 76.77 | 529 | .51361 | 65 | 1201 18516000 |
| SEALS | | PROP-SHAFT-REDUCTION-GEAR-SYSTEM | AIR | 63.038 | 79.8667 | 200 | .50763 | 65 | 1198 18518000 |
| SEALS | | SHAFT-ALTERNATOR | AIR | 63.3011 | 83.3031 | 430 | .37914 | 65 | 1201 18520000 |
| SEALS | | DOOR-LANDING-GEAR-MAIN-OUTBOARD | AIR | 64.5161 | 171.687 | 136 | .031 | 63 | 1114 18522000 |
| SEALS | | COMPRESSOR-FRONT-POWER-SECTION | AIR | 65.9387 | 86.2773 | 400 | .37914 | 65 | 1201 18524000 |
| SEALS | | COMPRESSOR-FRONT-POWER-SECTION | AIR | 66.198 | 83.3607 | 528 | .51361 | 65 | 1201 18526000 |
| SEALS | | COMPRESSOR-REAR-POWER-SECTION | AIR | 68.0569 | 97.8464 | 280 | .20571 | 65 | 1201 18528000 |
| SEALS | | SHAFT-PROPELLER-LUBE-SYSTEM | AIR | 68.145 | 85.418 | 528 | .51361 | 65 | 1201 18530000 |
| SEALS | | DOOR-LANDING-GEAR-MAIN-OUTBOARD | AIR | 69.3481 | 91.2608 | 672 | .34608 | 65 | 1227 18532000 |
| SEALS | | RADOME-SEARCH-RADAR-AN/APN-59 | AIR | 72.9394 | 162.431 | 76 | .04113 | 66 | 1250 18534000 |
| SEALS | | SHAFT-EXTENSION-REDUCTION-GEAR | AIR | 73.4227 | 96.4174 | 408 | .55841 | 65 | 1201 18536000 |
| SEALS | | ROOF-WORK-DECK | HEL | 86.7052 | 153.086 | 40 | .0346 | 66 | 1257 18538000 |
| SEALS | | DOOR-HYDRAULIC-PETAL | AIR | 87.2526 | 194.348 | 76 | .04113 | 66 | 1250 18540000 |
| SEALS | | PROP-SHAFT-REDUCTION-GEAR-SYSTEM | AIR | 98.0227 | 120.245 | 400 | .46548 | 65 | 1198 18542000 |
| SEALS | | LIAPHRAGM-AIR-INLET-DUCT/ENGINE-COMPARTMENT | AIR | 100.623 | 186.551 | | .04969 | 63 | 1123 18544000 |
| SEALS | | COMPRESSOR-FRONT-POWER-SECTION | AIR | 102.085 | 137.009 | 260 | .20571 | 65 | 1201 18546000 |
| SEALS | | DOOR-ELECTRIC-ATO/SPOILER | AIR | 102.434 | 133.308 | 100 | .25382 | 65 | 1198 18548000 |
| SEALS | | INTAKE-AIR-DUCT | AIR | 105.242 | 119.375 | 1194 | 1.0357 | 67 | 1272 18550000 |
| SEALS | | PROP-SHAFT-REDUCTION-GEAR-SYSTEM | AIR | 106.157 | 132.631 | 200 | .33912 | 63 | 1198 18552000 |
| SEALS | | DRIVE-STARTER | AIR | 111.777 | 136.067 | 400 | .37914 | 65 | 1201 18554000 |
| SEALS | | DOOR-ELECTRIC-ATO/SPOILER | AIR | 113.636 | 153.665 | 204 | .176 | 63 | 1114 18556000 |
| SEALS | | DOOR-LANDING-GEAR-NOSE-AFT | AIR | 120 | 189.413 | 50 | .075 | 63 | 1114 18558000 |
| SEALS | | DOOR-LANDING-GEAR-NOSE-FORWARD | AIR | 129.032 | 257.856 | 136 | .931 | 63 | 1114 18560000 |
| SEALS | | DOOR-LANDING-GEAR-NOSE-AFT | AIR | 129.747 | 195.775 | 50 | .08478 | 63 | 1198 18562000 |
| SEALS | | GIL-DRAIN-ENGINE | AIR | 136.125 | 158.512 | 248 | .0955 | 63 | 1111 18564000 |
| SEALS | | INTAKE-AIR-DUCT | AIR | 136.892 | 180.148 | 812 | .17532 | 64 | 1179 18566000 |
| SEALS | | DOOR-LIFE-AFT-WHEEL-WEEL-P80 | AIR | 140.019 | 177.398 | 946 | .22854 | 65 | 1228 18568000 |
| SEALS | | DOOR-ELECTRIC-LANDING-GEAR | AIR | 145.896 | 191.997 | 304 | .1645 | 66 | 1250 18570000 |
| SEALS | | DOOR-LANDING-GEAR-MAIN-OUTBOARD | AIR | 151.975 | 198.852 | 304 | .1645 | 66 | 1250 18572000 |
| SEALS | | RUDDER-APPENAGE | AIR | 163.251 | 187.018 | 1064 | .5758 | 66 | 1250 18574000 |
| SEALS | | RUDDER-TRIM-CONTROL | AIR | 167.504 | 445.753 | 31 | .01194 | 63 | 1111 18576000 |
| SEALS | | DRIVE-STARTER | AIR | 167.504 | 379.16 | 64 | .01194 | 63 | 1111 18578000 |
| SEALS | | DOOR-LANDING-GEAR-NOSE-FORWARD | AIR | 170.261 | 379.16 | 31 | .01762 | 65 | 1201 18580000 |
| SEALS | | DOOR-LANDING-GEAR-NOSE-FORWARD | AIR | 189.052 | 231.084 | 200 | .23274 | 65 | 1198 18582000 |
| SEALS | | DOOR-LANDING-GEAR-NOSE-FORWARD | AIR | 194.505 | 315.942 | 76 | .04113 | 66 | 1250 18584000 |
| SEALS | | DOOR-LANDING-GEAR-NOSE-FORWARD | AIR | 228.187 | 287.003 | 100 | .149 | 63 | 1114 18586000 |
| SEALS | | DOOR-LANDING-GEAR-NOSE-FORWARD | AIR | 230.007 | 284.79 | 100 | .16956 | 63 | 1198 18588000 |
| SEALS | | SPEED-BRAKE | AIR | 261.261 | 335.121 | 640 | .11 | 61 | 1080 18590000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 345 GASKETS AND SEALS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------|-----------------------|---------------------------------------|-------------|--------------|---------------------|-----------------|------------|------------|----------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| SEALS | | DOOR-LANDING-GEAR-NOSE-FORWARD | AIR | 278.409 | 336.642 | 204 | .176 | 63 | 1114 18592000 |
| SEALS | | SHAFT PROPELLER LUBE-SYSTEM | AIR | 283.768 | 526.373 | 64 | .01762 | 65 | 1201 18594000 |
| SEALS | | DRIVE-PUMP-HYDRAULIC LUBE-SYSTEM | AIR | 283.768 | 526.373 | 64 | .01762 | 65 | 1201 18594000 |
| SEALS | | CANOPY-SILICONE-RUBBER-INFLATABLE | HELI | 303.091 | 471.584 | 150 | .03267 | 63 | 1118 18598000 |
| SEALS | | DOOR-LANDING-GEAR-NOSE-FORWARD | AIR | 306.278 | 815.053 | 43 | .00653 | 66 | 1240 18600000A |
| SEALS | | ELEVATOR | AIR | 315.183 | 365.325 | 100 | .25382 | 65 | 1198 18602000 |
| SEALS | | DOOR-LANDING-GEAR-MAIN-OUTBOARD | AIR | 335.008 | 669.476 | 31 | .01194 | 63 | 1111 18604000 |
| SEALS | | DOOR-LANDING-GEAR-MAIN-OUTBOARD | AIR | 348.027 | 403.016 | 200 | .23274 | 65 | 1198 18606000 |
| SEALS | | DOOR-ELECTRIC-ATO/SPOILER | AIR | 378.22 | 432.655 | 100 | .25382 | 65 | 1198 18608000 |
| SEALS | | DOOR-ELECTRIC-ATO/SPOILER | AIR | 389.242 | 458.129 | 100 | .16956 | 63 | 1198 18610000 |
| SEALS | | BALANCE RUDDER-TRIM-CONTROL | AIR | 395.973 | 470.58 | 100 | .149 | 63 | 1114 18612000 |
| SEALS | | COMPRESSOR-FRONT-POWER-SECTION | AIR | 418.76 | 776.775 | 31 | .01194 | 63 | 1111 18614000 |
| SEALS | | CANOPY | AIR | 454.029 | 737.497 | 64 | .01762 | 65 | 1201 18616000 |
| SEALS | | DOOR-HYDRAULIC-PETAL | AIR | 484.827 | 559.422 | 812 | .17532 | 61 | 1080 18618000 |
| SEALS | | COMPRESSOR-BLEED-VALVE-ENGINE-NACELLE | AIR | 525.889 | 766.907 | 48 | .02472 | 65 | 1227 18620000 |
| SEALS | | STABILIZER-EMPENNAGE | AIR | 581.512 | 657.357 | 384 | .19776 | 65 | 1227 18622000 |
| SEALS | | DOOR-LANDING-GEAR-MAIN-OUTBOARD | AIR | 586.264 | 985.837 | 31 | .01194 | 63 | 1111 18624000 |
| SEALS | | CANOPY | AIR | 636.942 | 722.903 | 100 | .16956 | 63 | 1198 18626000 |
| SEALS | | DOOR-LANDING-GEAR-MAIN-OUTBOARD | AIR | 656.34 | 730.491 | 946 | .22854 | 64 | 1179 18628000 |
| SEALS | | COMPRESSOR-BLEED-VALVE-ENGINE-NACELLE | AIR | 664.429 | 758.459 | 100 | .149 | 63 | 1114 18630000 |
| SEALS | | FIN-EMPENNAGE | AIR | 854.103 | 923.171 | 608 | .329 | 66 | 1230 18632000 |
| SEALS | | CANOPY-AIR-CONDITIONING-SYSTEM | AIR | 1088.77 | 1587.76 | 31 | .01194 | 63 | 1111 18634000 |
| SEALS | | DRIVE-ALTERNATOR | AIR | 1280.29 | 1326.55 | 1194 | 1.0357 | 67 | 1272 18636000 |
| SEALS | | ELEVATOR/TAB-EMPENNAGE | AIR | 1418.84 | 1856.48 | 64 | .01762 | 65 | 1201 18638000 |
| SEALS | | CANOPY | AIR | 1675.04 | 2265.08 | 31 | .01194 | 63 | 1111 18640000 |
| SEALS | | SHAFT-TIP-BRAKE | AIR | 2333.33 | 2733 | 260 | .03 | 65 | 1198 18642000A |
| SEALS | | DOOR-LANDING-GEAR-NOSE | AIR | 2409.63 | 3258.44 | 32 | .0083 | 65 | 1228 18644000 |
| SEALS | | BALANCE-ELEVATOR-CONTROL | AIR | 3037.3 | 8064.09 | 6 | .00066 | 62 | 1157 18646000 |
| SEALS | | TAB-AILERON-CONTROL-SYSTEM | AIR | 5342.85 | 5879.2 | 320 | .035 | 61 | 1080 18648000A |
| SEALS | | WING-LEADING-EDGE | AIR | 6197.65 | 7227.01 | 31 | .01194 | 63 | 1111 18650000 |
| SEALS | | WING-CENTER/DRORP | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 18652000 |
| SEALS | | WING-CENTER/LEAD-EDGE-DRORP | AIR | * | 23.2868 | 192 | .09880 | 65 | 1227 18654000 |
| SEALS | | RUDDER-PANEL-DRORP-WING | AIR | * | 23.1719 | | .09937 | 63 | 1123 18656000 |
| SEALS | | FUSELAGE/HORIZONTAL-TAIL-ROOT-RIB | AIR | * | 23.1719 | | .09937 | 63 | 1123 18658000 |
| SEALS | | AILERON/LOWER-CENTER | AIR | * | 23.1719 | | .09937 | 63 | 1123 18660000 |
| SEALS | | AILERON-FLIGHT-CONTROL | AIR | * | 23.1719 | | .09937 | 63 | 1123 18662000 |
| SEALS | | AILERON-FLIGHT-CONTROL | AIR | 6.07902 | 23.6455 | 304 | .1645 | 66 | 1250 18670000 |
| SEALS | | MEMBRANE | AIR | 10.1132 | 39.3375 | 192 | .09882 | 63 | 1123 18672000 |
| SEALS | | SEAL-FLIGHT-CONTROL | AIR | * | 23.1719 | | .09937 | 63 | 1123 18674000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

SECTION I FAILURE RATE DATA

PART CLASS 345 GASKETS AND SEALS

PART DESCRIPTION

-00 N.B.C.

SEALS-AIR TIGHT

838874
RUBBER

SEALS • BEARING

SEAL S. BLEED
SEAL S. BLEED

SEALS • CAKES • SEALS • CAKES •

SEAL-LOC CARBON LIP
SEAL-LOC COILING

SEALS-DUST
SEALS-DUST

SEALS • FIRE
SEALS • DRY MILK

SEAS-FIRE

SEALS OF FIRE
SEALS OF FIRE

SEALS-FIVE

SEALS • FLIES

SEALS. GARY

SEALS: CARLSBAD

SEALS, CARL

SEALS, GASKETS, O-RINGS, ETC.

SEALS, GARL

SEALS. CARL...

SEALS, GAS

SEALS • GASKETS

SEALS-GAS

SEAL'S GASKE

SEALS • GLASS

1000

317

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

JANUARY 1968

| NONELECTRONIC PART FAILURE RATE DATA | | | | | | | | | | JANUARY 1968 | | | | | | | |
|--|--------------------------------------|-----------------------|----------|------------------------|------|-------------|----|--------------|-----------|---------------------|--|-----------------|--|------------------|--|-----------------|--|
| PART CLASS | | 345 GASKETS AND SEALS | | FUNCTIONAL APPLICATION | | ENVIRONMENT | | FAILURE RATE | | UPPER 90 CONF LIMIT | | PART POPULATION | | YR OF DATA INDEX | | RPT SRCE REF NO | |
| PART DESCRIPTION | | | | | | | | | | | | | | | | | |
| M.B.C. | | | | | | | | | | | | | | | | | |
| SEALS-GLASS-TO-FRAME | CANOPY-INSTRUCTOR | AIR | 68.4462 | 120.147 | 406 | .08766 | 64 | 1179 | 18762000 | | | | | | | | |
| SEALS-GLASS-TO-FRAME | CANOPY-INSTRUCTOR | AIR | 70.0096 | 113.719 | 573 | .11427 | 65 | 1228 | 18764000 | | | | | | | | |
| SEALS-GLASS-TO-FRAME | CANOPY-STUDENT | AIR | 114.077 | 175.754 | 406 | .08766 | 64 | 1179 | 18766000 | | | | | | | | |
| SEALS-B-RING-STATIC | | LAB | * | 1.48554C | 18 | 1.55C | 66 | 1264 | 18768000A | | | | | | | | |
| HYDRAULIC.M-2E775 | | | | | | | | | | | | | | | | | |
| SEALS-B-RING-STATIC | | LAB | * | 1.48554C | 42 | 1.55C | 66 | 1264 | 18770000A | | | | | | | | |
| W/TEFLON-RING-HYDRAULIC | | | | | | | | | | | | | | | | | |
| MS-25775 | | | | | | | | | | | | | | | | | |
| SEALS-OIL | WHEEL IDLER ARM (M-MILES) | GRD | 8.1103M | 31.5466M | 30 | .1233M | 66 | 1255 | 18772000 | | | | | | | | |
| SEALS-OIL | WHEEL ROAD ARM (M-MILES) | GRD | 17.8339M | 26.9161M | 150 | .6168M | 66 | 1255 | 18774000 | | | | | | | | |
| SEALS-OIL | SPEED-SENSITIVE-CONTROL | AIR | 58.026 | 77.3335 | 400 | .37914 | 65 | 1201 | 18776000 | | | | | | | | |
| SEALS-OIL | SPEED-SENSITIVE-VALVE | AIR | 60.6636 | 80.322 | 400 | .37914 | 65 | 1201 | 18778000 | | | | | | | | |
| SEALS-OIL-CARBON-FACE-TYPE | | HELI | 299.065 | 378.904 | 151 | .107 | 66 | 1234 | 18780000A | | | | | | | | |
| 2980-SURFACE-FT/MIN | | | | | | | | | | | | | | | | | |
| SEALS-OIL-FACE-TYPE-MI-SPEED | TRANSMISSION-INPUT | HELI | 546.728 | 617.371 | 302 | .214 | 66 | 1234 | 18782000A | | | | | | | | |
| SEALS-OIL-LIP-TYPE-1-3/8-SHAFT | TRANSMISSION | HELI | 177.57 | 211.679 | 453 | .321 | 66 | 1234 | 18784000A | | | | | | | | |
| SEALS-OIL-LIP-TYPE-1-3/4-SHAFT | TRANSMISSION | HELI | 336.448 | 420.355 | 151 | .107 | 66 | 1234 | 18786000A | | | | | | | | |
| SEALS-OIL-LIP-TYPE-1-7/8-SHAFT | TRANSMISSION | HELI | 271.028 | 347.649 | 151 | .107 | 66 | 1234 | 18788000A | | | | | | | | |
| SEALS-OIL-LIP-TYPE-2-1/4-SHAFT | TRANSMISSION | HELI | 261.682 | 337.195 | 151 | .107 | 66 | 1234 | 18790000A | | | | | | | | |
| SEALS-OIL-LIP-TYPE-2-3/16-SHAFT | TRANSMISSION | HELI | 373.831 | 461.59 | 151 | .107 | 66 | 1234 | 18792000A | | | | | | | | |
| SEALS-OIL-SEGMENTED-CARBON-4100-SURFACE-FT/MIN | | HELI | 233.644 | 281.96 | 302 | .214 | 66 | 1234 | 18794000A | | | | | | | | |
| SEALS-PRESSURE | CABLE-ROCKPIT | AIR | * | 5.14927 | | .44717 | 63 | 1123 | 18796000A | | | | | | | | |
| SEALS-PRESSURE | CABLE-ROCKPIT/RUDDER | AIR | * | 23.1719 | | .09937 | 63 | 1123 | 18798000A | | | | | | | | |
| SEALS-PRESSURE | DOOR-MECHANICAL-PARATR93P | AIR | * | 9.07178 | 100 | .25382 | 65 | 1198 | 18800000 | | | | | | | | |
| SEALS-PRESSURE | POWER-SUPPLY | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 18802000 | | | | | | | | |
| SEALS-PRESSURE | DOOR-HYDRAULIC-FORWARD-CARGO | AIR | * | 116 | 100 | .01985 | 65 | 1198 | 18804000 | | | | | | | | |
| SEALS-PRESSURE | DOOR-MECHANICAL-PERSONNEL-CARGO-COMP | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 | 18806000 | | | | | | | | |
| SEALS-PRESSURE | WING-FLAP-SYSTEM | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 | 18808000A | | | | | | | | |
| SEALS-PRESSURE | POWER-SUPPLY | AIR | * | 55.9834 | 76 | .04113 | 16 | 1250 | 18810000 | | | | | | | | |
| SEALS-PRESSURE | WINDOW-AIRFRAME | AIR | .26951 | 1.03836 | 2500 | 3.746 | 63 | 1114 | 18812000 | | | | | | | | |
| SEALS-PRESSURE | WINDOW-AIRFRAME | AIR | .471809 | 1.25555 | 2500 | 4.239 | 63 | 1198 | 18814000 | | | | | | | | |
| SEALS-PRESSURE | DOOR-EMERGENCY-CTR-EXIT-TOP | AIR | 4.29664 | 16.7126 | 100 | .23274 | 65 | 1198 | 18816000 | | | | | | | | |
| SEALS-PRESSURE | DOOR-HYDRAULIC-FORWARD-CARGO | AIR | 7.8796 | 30.6492 | 50 | .12691 | 65 | 1198 | 18818000 | | | | | | | | |
| SEALS-PRESSURE | DOOR-EMERGENCY-SIDE-EXIT | AIR | 8.59328 | 33.4252 | 100 | .11637 | 65 | 1198 | 18820000 | | | | | | | | |
| SEALS-PRESSURE | DOOR-EMERGENCY-CTR-EXIT-TOP | AIR | 11.3636 | 30.2403 | 204 | .176 | 63 | 1114 | 18822000 | | | | | | | | |
| SEALS-PRESSURE | DOOR-HYDRAULIC-AFT-CARGO | AIR | 11.3636 | 44.2011 | 102 | .082 | 63 | 1114 | 18824000 | | | | | | | | |
| SEALS-PRESSURE | DOOR-MECHANICAL-PARATR88P | AIR | 12.8899 | 28.7049 | 200 | .23274 | 65 | 1198 | 18826000 | | | | | | | | |
| SEALS-PRESSURE | DOOR-HYDRAULIC-AFT-CARGO | AIR | 15.7591 | 41.9375 | 50 | .12691 | 65 | 1198 | 18828000 | | | | | | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 345 GASKETS AND SEALS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA RPT SRCE REF NO | CROSS INDEX |
|----------------|-----------------------------------|------------------------|-------------|--------------|---------------------|-------------------|------------|----------------------------|-------------|
| SEALS-PRESSURE | DOOR-EMERGENCY-CTR-EXIT-TOP | AIR | 15.7591 | 31.4929 | 100 | -25382 | 65 | 1198 | 18830000 |
| SEALS-PRESSURE | WINDOW-MESA-AIRFRAME | AIR | 17.1865 | 34.3454 | 200 | .23274 | 65 | 1198 | 18830000 |
| SEALS-PRESSURE | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 17.1865 | 45.736 | 100 | .11637 | 65 | 1198 | 18834000 |
| SEALS-PRESSURE | WAVEGUIDE | GRD | 17.7304 | 25.9564 | 100 | .7332 | 65 | 1223 | 18836000 |
| SEALS-PRESSURE | WINDOW-MESA-AIRFRAME | AIR | 19.6997 | 36.5419 | 100 | .25381 | 65 | 1198 | 18838000 |
| SEALS-PRESSURE | WING-FLAP-SYSTEM | AIR | 20.2265 | 78.6751 | 96 | .34944 | 65 | 1227 | 18840000 |
| SEALS-PRESSURE | WINDOW-MESA-AIRFRAME | AIR | 22.7272 | 45.4178 | 204 | .176 | 63 | 1114 | 18842000 |
| SEALS-PRESSURE | DOOR-EMERGENCY-SIDE-EXIT | AIR | 31.5183 | 62.9859 | 50 | .12691 | 63 | 1114 | 18844000 |
| SEALS-PRESSURE | DOOR-EMERGENCY-SIDE-EXIT | AIR | 34.0909 | 75.9181 | 102 | .088 | 63 | 1114 | 18846000 |
| SEALS-PRESSURE | DOOR-MECHANICAL-CREW | AIR | 34.3731 | 48.6908 | 100 | .11637 | 65 | 1198 | 18848000 |
| SEALS-PRESSURE | DOOR-HYDRAULIC-AFT-CARGO | AIR | 34.3731 | 68.6908 | 100 | .11637 | 65 | 1198 | 18850000 |
| SEALS-PRESSURE | DOOR-HYDRAULIC-PRESSURE | AIR | 36.4077 | 57.4676 | 480 | .2472 | 65 | 1227 | 18852000 |
| SEALS-PRESSURE | DOOR-MECHANICAL-PERSONNEL | AIR | 36.4697 | 81.2156 | 152 | .08226 | 66 | 1250 | 18854000A |
| SEALS-PRESSURE | CARGO-COMPARTMENT | | | | | | | | |
| SEALS-PRESSURE | DOOR-HYDRAULIC-PRESSURE | AIR | 38.901 | 54.5869 | 760 | .4113 | 66 | 1250 | 18856000 |
| SEALS-PRESSURE | DOOR-HYDRAULIC-FORWARD-CARGO | AIR | 40 | 89.0773 | 50 | .075 | 63 | 1114 | 18858000 |
| SEALS-PRESSURE | DOOR-EMERGENCY-ESCAPE-HATCH-C-C | AIR | 40.453 | 157.35 | 48 | .02472 | 65 | 1227 | 18860000 |
| SEALS-PRESSURE | DOOR-EMERG-FWD-ESCAPE-HATCH-CARGO | AIR | 40.453 | 157.35 | 48 | .02472 | 65 | 1227 | 18862000 |
| SEALS-PRESSURE | DOOR-MECHANICAL-FORWARD-ENTRANCE | AIR | 40.453 | 157.35 | 48 | .02472 | 65 | 1227 | 18864000 |
| SEALS-PRESSURE | DOOR-EMERGENCY-AFT-EXIT-TOP | AIR | 42.9664 | 75.7 | 100 | .11637 | 65 | 1198 | 18866000 |
| SEALS-PRESSURE | DOOR-HYDRAULIC-FORWARD-CARGO | AIR | 47.1609 | 94.2857 | 50 | .08478 | 63 | 1198 | 18868000 |
| SEALS-PRESSURE | DOOR-MECHANICAL-FORWARD-ENTRANCE | AIR | 48.5263 | 129.401 | 76 | .04113 | 66 | 1250 | 18870000A |
| SEALS-PRESSURE | DOOR-EMERGENCY-SIDE-EXIT | AIR | 53.3333 | 106.58 | 5 | .075 | 63 | 1114 | 18872000 |
| SEALS-PRESSURE | WINDSHIELD-STUDENT | AIR | 54.0655 | 69.6672 | 597 | .51789 | 67 | 1272 | 18874000 |
| SEALS-PRESSURE | DOOR-EMERGENCY-SIDE-EXIT | AIR | 58.9761 | 105.397 | 50 | .08478 | 63 | 1198 | 18876000 |
| SEALS-PRESSURE | DOOR-MECHANICAL-PARATROOP | AIR | 58.9761 | 90.4625 | 100 | .16956 | 63 | 1198 | 18878000 |
| SEALS-PRESSURE | DOOR-MECHANICAL-CREW | AIR | 66.6666 | 255.313 | 68 | .015 | 63 | 1114 | 18880000 |
| SEALS-PRESSURE | DOOR-MECHANICAL-PARATROOP | AIR | 67.114 | 103.4 | 100 | .149 | 63 | 1114 | 18882000 |
| SEALS-PRESSURE | DOOR-HYDRAULIC-RAMP | AIR | 68.1818 | 119.682 | 102 | .088 | 53 | 1114 | 18884000 |
| SEALS-PRESSURE | WINDOW-MESA-AIRFRAME | AIR | 70.7714 | 104.868 | 100 | .16956 | 63 | 1198 | 18886000 |
| SEALS-PRESSURE | DOOR-EMERGENCY-SIDE-EXIT | AIR | 70.7928 | 119.042 | 192 | .09988 | 65 | 1127 | 18888000 |
| SEALS-PRESSURE | WINDOW-MESA-AIRFRAME | AIR | 73.8255 | 111.396 | 100 | .149 | 53 | 1114 | 18890000 |
| SEALS-PRESSURE | DOOR-HYDRAULIC-RAMP | AIR | 77.3395 | 122.076 | 100 | .11637 | 65 | 1198 | 18892000 |
| SEALS-PRESSURE | DOOR-HYDRAULIC-RAMP | AIR | 86.6755 | 130.786 | 50 | .12691 | 65 | 1198 | 18894000 |
| SEALS-PRESSURE | DOOR-EMERGENCY-SIDE-EXIT | AIR | 91.1854 | 129.437 | 304 | .1645 | 66 | 1250 | 18896000A |
| SEALS-PRESSURE | DOOR-EMERGENCY-AFT-EXIT-TOP | AIR | 93.3333 | 156.945 | 50 | .075 | 63 | 1114 | 18898000 |
| SEALS-PRESSURE | DOOR-EMERGENCY-CTR-EXIT-TOP | AIR | 93.3333 | 156.945 | 50 | .075 | 63 | 1114 | 18900000 |
| SEALS-PRESSURE | DOOR-EMERGENCY-CTR-EXIT-TOP | AIR | 94.3618 | 153.275 | 40 | .08478 | 63 | 1198 | 18902000 |
| SEALS-PRESSURE | DOOR-EMERGENCY-ESCAPE-HATCH | AIR | 97.2526 | 154.348 | 76 | .04113 | 66 | 1250 | 18904000A |
| SEALS-PRESSURE | CARGO-COMPARTMENT | | | | | | | | |
| SEALS-PRESSURE | WINDSHIELD-STUDENT | AIR | 105.014 | 155.609 | 473 | .11427 | 65 | 1228 | 18906000 |
| SEALS-PRESSURE | DOOR-EMERGENCY-AFT-EXIT-TOP | AIR | 105.157 | 167.563 | 50 | .08478 | 63 | 1198 | 18908000 |
| SEALS-PRESSURE | DOOR-MECHANICAL-CREW | AIR | 110.314 | 158.6 | 50 | .12691 | 65 | 1198 | 18910000 |
| SEALS-PRESSURE | DOOR-MECHANICAL-FSI398 | AIR | 121.359 | 270.259 | 48 | .02472 | 65 | 1227 | 18912000 |
| SEALS-PRESSURE | DOOR-MECHANICAL-CREW | AIR | 136.363 | 202.063 | 102 | .088 | 63 | 1114 | 18914000 |

ROBE AIR DEVELOPMENT CENTER, GAIPFSS 4FB, N.Y.
SECTION I FAILURE RATE DATA JANUARY 1968

| PART CLASS | 345 GASKETS AND SEALS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR RPT SRC | CROSS INDEX |
|------------------|-----------------------|-----------------------------|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | | |
| SEALS-PRESSURE | | DOOR-HYDRAULIC-AFT-CARGO | AIR | 141.542 | 209.737 | 50 | .08478 | 63 | 1198 18916000 |
| SEALS-PRESSURE | | DOOR-HYDRAULIC-AFT-CARGO | AIR | 146.666 | 221.308 | 50 | .075 | 63 | 1114 18918000 |
| SEALS-PRESSURE | | WINDSHIELD-STUDENT | AIR | 148.3 | 216.266 | 406 | .08766 | 64 | 1179 18920000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 149.712 | 204.171 | 50 | .12691 | 65 | 1198 18922000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 159.19 | 228.727 | 102 | .088 | 63 | 1114 18924000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 161.812 | 323.363 | 48 | .02472 | 65 | 1227 18926000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 194.505 | 315.942 | 76 | .04113 | 66 | 1250 18928000 |
| SEALS-PRESSURE | | DOOR-HYDRAULIC-CARGO-RAMP | AIR | 212.265 | 375.19 | 48 | .02472 | 65 | 1127 18930000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 215.812 | 345.392 | 76 | .04113 | 66 | 1250 18932000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 271.29 | 359.293 | 50 | .08478 | 63 | 1198 18934000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 316.616 | 406.044 | 50 | .075 | 63 | 1114 18936000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 364.697 | 517.685 | 76 | .04113 | 66 | 1250 18938000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 471.809 | 582.568 | 50 | .08478 | 63 | 1198 18940000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 488.535 | 578.063 | 50 | .12691 | 65 | 1198 18942000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 493.333 | 614.441 | 50 | .075 | 63 | 1114 18944000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 579.545 | 698.056 | 102 | .088 | 63 | 1114 18946000 |
| SEALS-PRESSURE | | DOOR-HYDRAULIC-RAMP | AIR | 648.737 | 775.878 | 50 | .08478 | 63 | 1198 18948000 |
| SEALS-PRESSURE | | DOOR-HYDRAULIC-RAMP | AIR | 681 | 819.053 | 50 | .075 | 63 | 1114 18950000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 729.155 | 1001.46 | 48 | .02472 | 65 | 1227 18952000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 802.334 | 1012.73 | 76 | .04113 | 66 | 1250 18954000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 194.505 | 315.942 | 76 | .04113 | 66 | 1250 18956000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 557.75 | 596.943 | 1215 | .658 | 66 | 1250 18958000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 960.76 | 1027.05 | 768 | .39552 | 65 | 1227 18960000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | * | 46.3393 | | .04969 | 63 | 1123 18962000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 2.83535 | 11.0286 | 448 | .35269 | 65 | 1201 18964000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | * | 46.3393 | | .04969 | 63 | 1123 18966000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | * | 46.3393 | | .04969 | 63 | 1123 18968000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 397.918 | 580.286 | 150 | .03267 | 63 | 1118 18970000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 2985.07 | 5965.33 | 150 | .00134 | 63 | 1118 18972000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 3 | 3.34636 | | 4.6040 | 63 | 1138 18974000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 2.17202 | 3.34927 | 23646 | 4.6 | 65 | 212 18976000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 2.17391 | 3.34927 | 23646 | 4.6 | 66 | 1253 18978000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 57.716 | 60.2109 | | 16.200 | 61 | 2232 18980000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | * | 240.606 | 216 | .00957 | 65 | 2440 18982000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 184.162 | 716.335 | 216 | .00543 | 63 | 1118 18984000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 1256.28 | 1783.28 | 31 | .01194 | 63 | 1111 18986000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 19.6989 | 36.5404 | 100 | .25382 | 65 | 1198 18988000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 39.7727 | 66.8801 | 204 | .176 | 63 | 1114 18990000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 159.235 | 206.176 | 100 | .16956 | 63 | 1198 18992000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | 161.073 | 211.97 | 100 | .143 | 63 | 1114 18994000 |
| SEALS-PRESSURE | | DOOR-EMERGENCY-FWD-EXIT-TOP | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 18996000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 745 GASKETS AND SEALS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LATION | YR OF DATA | CROSS INDEX |
|---|---|------------------------|-------------|--------------|---------------------|-----------------|-------------|------------|----------------|
| PART DESCRIPTION | | | | | | | | RPT | SPCE REF NO |
| .00 N.O.C. | | | | | | | | | |
| SEALS-WEATHER | DOOR-EMERGENCY-ESCAPE-HATCH-C-C | AIR | * | .02472 | 93.1472 | 48 | | 65 | 1227 19002000 |
| SEALS-WEATHER | COMPRESSOR/COMBUSTION-SECTION-ENGINE | AIR | * | .04969 | 46.3393 | | | 63 | 1123 19004000 |
| .40 LABYRINTH | | | | | | | | | |
| SEALS | COMPRESSOR-REAR-POWER-SECTION | AIR | | .501379 | 1.55021 | 1716 | | 65 | 1201 19006000 |
| SEALS | TURBINE-FRONT-POWER-SECTION | AIR | | 7.91264 | 17.6209 | 400 | | 65 | 1201 19008000 |
| .50 O-RING | | | | | | | | | |
| AM6227-B-11-BUNA-N-TYPE- RUBBER.3/4IN.0.D. | ULTRAVIOLET | LIFE ACC | | 2681.68 | | | | 65 | 2740 19010000A |
| 9/16IN.1.0 | | | | | | | | | |
| AM6227-B-11-BUNA-N-TYPE- RUBBER.3/4IN.0.D. | 0.2-WATTS-PER-SQUARE-FOOT- ULTRAVIOLET | LIFE ACC | | 2879.35 | | | | 65 | 2740 19012000A |
| 9/16IN.1.0 | | | | | | | | | |
| AM6227-B-11-BUNA-N-TYPE- RUBBER.3/4IN.0.D. | 0.1-WATTS-PER-SQUARE-FOOT- ULTRAVIOLET | LIFE ACC | | 2933.41 | | | | 65 | 2740 19014000A |
| 9/16IN.1.0 | | | | | | | | | |
| AM6227-B-11-BUNA-N-TYPE- RUBBER.3/4IN.0.D. | ULTRAVIOLET | LIFE ACC | | 6724.95 | | | | 65 | 2740 19016000A |
| 9/16IN.1.0 | | | | | | | | | |
| AM6227-B-11-BUNA-N-TYPE- RUBBER.3/4IN.0.D. | 0.1-WATTS-PER-SQUARE-FOOT- ULTRAVIOLET | LIFE ACC | | 7331.37 | | | | 65 | 2740 19018000A |
| 9/16IN.1.0 | | | | | | | | | |
| AM6227-B-11-BUNA-N-TYPE- RUBBER.3/4IN.0.D. | 0.2-WATTS-PER-SQUARE-FOOT- ULTRAVIOLET | LIFE ACC | | 7418.39 | | | | 65 | 2740 19020000A |
| 9/16IN.1.0 | | | | | | | | | |
| AM6227-B-11-BUNA-N-TYPE- RUBBER.3/4IN.0.D. | ULTRAVIOLET | LIFE LAB | | 570.972 | | | | 65 | 2740 19022000A |
| 9/16IN.1.0 | | | | | | | | | |
| AM6227-B-11-BUNA-N-TYPE- RUBBER.3/4IN.0.D. | 0.1-WATTS-PER-SQUARE-FOOT- ULTRAVIOLET | LIFE ACC | | 716.64 | | | | 65 | 2740 19024000A |
| 9/16IN.1.0 | | | | | | | | | |
| AM6227-B-11-BUNA-N-TYPE- RUBBER.3/4IN.0.D. | 0.2-WATTS-PER-SQUARE-FOOT- ULTRAVIOLET | LIFE ACC | | 771.01 | | | | 65 | 2740 19026000A |
| 9/16IN.1.0 | | | | | | | | | |
| LAB | | | | .02 | | | | 63 | 1138 19028000 |
| GASKETS | | | | .6 | | | | 62 | 1078 19030000 |
| GASKETS | | | | | | | | 61 | 1168 19032000 |
| GASKETS | | | | | | | | 62 | 1072 19034000 |
| SEALS | MAIN-TRANSMISSION | | | 111.111 | 432.188 | 108 | | 63 | 1118 19036000 |
| SEALS | | | | * | 480.709 | 216 | | 63 | 1118 19038000 |
| SEALS | AIR-INLET-OIL-TUBE-LUBE-SYSTEM | | | .501379 | 1.55021 | 1716 | | 65 | 1201 19040000 |
| SEALS | CIL-TUBE-TURBINE-REAR-LUBE-SYSTEM | | | .501379 | 1.55021 | 1716 | | 65 | 1201 19042000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

| PART CLASS | 345 GASKETS AND SEALS | FLACIIONAL APPLICATION | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------|-----------------------|------------------------|--------------|---------------------|-------------------|------------|------------|-------------|
| PART DESCRIPTION | | | ENVIRONMENT | | | | APT SRCE | REF NO |

.50 O-RING

| | | | | | | | | | |
|-------|--------------------------------|----------|---------|----------|------|--------|----|------|----------|
| SEALS | PUMP-SUPPORT-TURBINE-REAR | AIR | 1.00275 | 2.66848 | 1716 | 1.9945 | 65 | 1201 | 19044000 |
| SEALS | SHAFT-PROPELLER-LUBE-SYSTEM | AIR | 1.00275 | 2.66848 | 1716 | 1.9945 | 65 | 1201 | 19046000 |
| SEALS | GIL-FILTER-POWER-SECTION | AIR | 1.00275 | 2.66848 | 1716 | 1.9945 | 65 | 1201 | 19048000 |
| SEALS | CRIVE-STARTER | AIR | 1.50413 | 3.34961 | 1716 | 1.9945 | 65 | 1201 | 19050000 |
| SEALS | GIL-TUBE/REAR-TURBINE-BEARING | AIR | 1.947 | 7.57325 | 528 | .51361 | 65 | 1201 | 19052000 |
| SEALS | GIL-FILTER-REDUCTION-GEAR | AIR | 2.50689 | 4.65013 | 1716 | 1.9945 | 65 | 1201 | 19054000 |
| SEALS | GIL-TUBE-BEARING-TURBINE-REAR | AIR | 2.63754 | 10.2592 | 400 | .37914 | 65 | 1201 | 19056000 |
| SEALS | GIL-TUBE-PRESSURE-COMPRESSOR | AIR | 2.63754 | 10.2592 | 400 | .37914 | 65 | 1201 | 19058000 |
| SEALS | SHAFT-PROPELLER-LUBE-SYSTEM | AIR | 3.894 | 10.3625 | 528 | .51361 | 65 | 1201 | 19060000 |
| SEALS | CRIVE-STARTER | AIR | 10.5501 | 21.0833 | 400 | .37914 | 65 | 1201 | 19062000 |
| SEALS | SLEEVE-OIL-INLET-POWER-SECTION | AIR | 19.4448 | 38.8583 | 260 | .20571 | 65 | 1201 | 19064000 |
| SEALS | MOTOR-RESERVOIR-PROPELLER | HELI | 30.6138 | 81.4679 | 300 | .08333 | 63 | 1118 | 19066000 |
| SEALS | FEEDBACK-DRIVE-GEAR-PROPELLER | AIR | 56.7536 | 220.754 | 64 | .01762 | 65 | 1201 | 19068000 |
| SEALS | PUMP-RESERVOIR-PROPELLER | AIR | 56.7536 | 220.754 | 64 | .01762 | 65 | 1201 | 19070000 |
| SEALS | SHAFT-PROPELLER-LUBE-SYSTEM | AIR | 113.507 | 302.06 | 64 | .01762 | 65 | 1201 | 19072000 |
| SEALS | AC-GENERATOR | AIR | 114.285 | 228.387 | 320 | .035 | 61 | 1080 | 19074000 |
| SEALS | MAIN-TRANSMISSION | HELI | 367.647 | 1430.03 | 108 | .00272 | 63 | 1118 | 19076000 |
| SEALS | HYDRAULIC-VALVE | HELI | 368.324 | 980.165 | 216 | .00543 | 63 | 1118 | 19078000 |
| SEALS | HYDRAULIC-VALVE | HELI | 1503.75 | 3025.09 | 300 | .00266 | 63 | 1118 | 19080000 |
| SEALS | HYDRAULIC-VALVE | AIR | .501579 | 1.95021 | 1716 | 1.9945 | 65 | 1201 | 19082000 |
| SEALS | HYDRAULIC-VALVE | LIFE LAB | * | 1.48554C | 18 | 1.55C | 66 | 2341 | 19084000 |
| SEALS | HYDRAULIC-VALVE | LIFE LAB | * | 1.4.554C | 42 | 1.55C | 66 | 2341 | 19086000 |

.50 PACKING

| | | | | | | | | | |
|-------|-----------------------------|-----|---------|---------|------|--------|----|------|----------|
| SEALS | CIL-PUMP-POWER-SECTION | AIR | .501379 | 1.95021 | 1716 | 1.9945 | 65 | 1201 | 19090000 |
| SEALS | NOSEPLATE | AIR | .501379 | 1.95021 | 1716 | 1.9945 | 65 | 1201 | 19092000 |
| SEALS | BEARING-PROPELLOR-SHAFT | AIR | .501379 | 1.95021 | 1716 | 1.9945 | 65 | 1201 | 19094000 |
| SEALS | GIL-PUMP-REDUCTION-GEAR | AIR | 1.00275 | 2.66848 | 1716 | 1.9945 | 65 | 1201 | 19096000 |
| SEALS | GIL-PUMP-LUBE-SYSTEM | AIR | 1.947 | 7.57325 | 528 | .51361 | 65 | 1201 | 19098000 |
| SEALS | GIL-FILTER-POWER-SECTION | AIR | 2.50689 | 4.65013 | 1716 | 1.9945 | 65 | 1201 | 19100000 |
| SEALS | GIL-PUMP-MAIN-POWER-SECTION | AIR | 5.27509 | 14.0378 | 400 | .37914 | 65 | 1201 | 19102000 |
| SEALS | GIL-FILTER-POWER-SECTION | AIR | 10.5501 | 21.0833 | 400 | .37914 | 65 | 1201 | 19104000 |
| SEALS | NOSEPLATE-LUBE-SYSTEM | AIR | 56.7536 | 220.754 | 64 | .01752 | 65 | 1201 | 19106000 |

JANUARY 1968

NONELECTRONIC PART FAILURE RATE DATA

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

| PART CLASS | 346 GATES | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YE OF DATA RPT SIZE REF NO | CROSS INDEX |
|------------------|-----------|------------------------|-------------|--------------|---------------------|-----------------|------------|----------------------------|-------------|
| PART DESCRIPTION | | | | | | | | | |
| .03 N.O.C. | | | | | | | | | |
| | | BOOST-BLOCK.20MM-GUN | GRD | 200R | 270.451R 2 | | .1P | 64 1134 | 1910500 |

COMP AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 248 TIMBALS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA RPT SINCE REF NO | CROSS INDEX |
|------------------|-------------|------------------------------|-------------|--------------|---------------------|-----------------|------------|-----------------------------|---------------|
| PART DESCRIPTION | | | | | | | | | |
| 400 M.B.C. | | | | | | | | | |
| | | | GRD | * | 285.6150 | 12 | .00260 | 66 | 1243 19110000 |
| | | | LAS | 2.5 | | | | 63 | 1138 19112000 |
| | | ENGINE-CONTROLS | AIR | 56.6572 | 76.615 | 406 | .353 | 63 | 1114 19114000 |
| | | ENGINE-CONTROLS | AIR | 66.5979 | 84.7079 | 400 | .46548 | 65 | 1198 19116000 |
| | | | AIR | 100 | | | | 61 | 1068 19118000 |
| | | ENGINE-CONTROLS | AIR | 181.234 | 207.932 | 200 | .50763 | 65 | 1198 19120000 |
| | | GYRO-STABILIZED-PLATFORM | AIR | 389.105 | 1035.46 | | .00514 | 65 | 1188 19122000 |
| | | ANTENNA-TARGET-SEEKER-SYSTEM | GRD | 1739.13 | 3475.45 | | .0023 | 62 | 1135 19124000 |
| | | ANTENNA-TARGET-SEEKER-SYSTEM | GRD | 1739.13 | 3475.45 | | .0073 | 62 | 1135 19126000 |
| | | | GRD | 3669.72 | 7333.53 | 17 | .00109 | 62 | 1113 19128000 |

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

4500

FUNCTIONAL APPLICATION

CONSTANT-SPEED . FUEL-SYS. AUXILIARY
POWER-UNIT
FUEL-GASTURBINE-COMPRESSOR-AUX-
POWER-PLANT
FUEL-GASTURBINE-COMPRESSOR-AUX-
POWER-PLANT
FUEL-GASTURBINE-COMPRESSOR-AUX-
POWER-PLANT
OVERSPEED-FUEL-SYSTEM-TURBOJET-J-8
COMPRESSOR-BLEED-SYSTEM
COMPRESSOR-BLEED
PROPELLER-POWER-PLANT
SECOND STAGE
AIR-707-131
AIR-707-131
AIR-707-131
AIR-707-131
AIR-707-131
AIR-707-131
AIR-707-131
AIR-707-131
AIR-707-131
FUEL-SYSTEM-AUXILIARY-POWER-UNIT
FUEL-SYSTEM
FUEL-SYSTEM
FUEL-SYSTEM
COMP-BLEED
COMP-BLEED
COMP-BLEED
COMP-BLEED
COMP-BLEED
COMP-BLEED
COMP-BLEED
COMP-BLEED
CONSTANT-SPEED
OVERSPEED
OVERSPEED
OVERSPEED
PROPELLER

| | | | | | | | |
|------|---------|---------|-----|--------|----|------|----------|
| AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 19130000 |
| AIR | * | 27.1557 | 50 | .08474 | 63 | 1198 | 19130200 |
| AIR | 7.8796 | 26.6452 | 50 | .12631 | 65 | 1198 | 19136000 |
| AIR | 17.1365 | 45.126 | 100 | .11637 | 35 | 1198 | 19138000 |
| AIR | 17.5024 | 34.0765 | 946 | .22854 | 65 | 1228 | 19139000 |
| AIR | 261.78 | 342.525 | 248 | .0955 | 63 | 1111 | 19140000 |
| AIR | 666.666 | 937.863 | 64 | .010 | 59 | 1110 | 19142000 |
| AIR | 1254.8 | 1258.23 | 126 | .21597 | 65 | 1155 | 19144000 |
| AIR | 1515.15 | 5893.48 | 6 | .00066 | 62 | 1157 | 19146000 |
| AIR | 110P | | | | 60 | 2361 | 19148000 |
| AIR | 280P | | | | 60 | 2361 | 19150000 |
| AIR | 380P | | | | 66 | 2364 | 19152000 |
| AIR | 350P | | | | 66 | 2364 | 19154000 |
| AIR | 450P | | | | 66 | 2362 | 19156000 |
| AIR | 420P | | | | 55 | 2364 | 19158000 |
| AIR | 57 P | | | | 66 | 2362 | 19160000 |
| AIR | 680P | | | | 65 | 2362 | 19162000 |
| AIR | 720P | | | | 65 | 2361 | 19164000 |
| AIR | * | 55.9844 | 76 | .04113 | 66 | 1250 | 19166000 |
| HELI | 86.7052 | 193.086 | 40 | .0346 | 66 | 1257 | 19168000 |
| HELI | 157.853 | 420.071 | 40 | .01257 | 66 | 1257 | 19170000 |
| HELI | 185.185 | 120.314 | 20 | .0054 | 66 | 1257 | 19172000 |
| AIR | 2505.25 | 2633.05 | | .216 | 63 | 2109 | 19174000 |

POME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

JANUARY 1968

PART CLASS 350 GRIPS

PART DESCRIPTION

.00 N.G.C.

FUNCTIONAL APPLICATION

NON-ELECTRONIC PART FAILURE RATE DATA

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA INVR | CROSS REF SRCE REF NO |
|-------------|--------------|---------------------|-----------------|------------|-----------------|-----------------------|
|-------------|--------------|---------------------|-----------------|------------|-----------------|-----------------------|

ASSEMBLY-FLIGHT-STICK
ASSEMBLY-RADAR-ANTENNA-CONTROL
CONTROL-STICK-AILERON-SYSTEM
CONTROL-STICK-AILERON-SYSTEM
CONTROL-STICK-AF-COCKPIT
AILERON-SYSTEM

| | | | | | | |
|-----|---------|---------|------|--------|----|---------------|
| AIR | 100.623 | 185.651 | | .04969 | 63 | 1123 19176000 |
| AIR | 142.616 | 215.197 | | .07713 | 63 | 1123 19178000 |
| AIR | 387.852 | 455.375 | 812 | .17532 | 64 | 1179 19180000 |
| AIR | 450.686 | 513.102 | 946 | .22856 | 65 | 1228 19182000 |
| AIR | 2475.8 | 32220 | | .00091 | 65 | 1188 19184000 |
| AIR | 561.938 | 592.970 | 1154 | 1.0357 | 67 | 1272 19186000 |
| AIR | 21.0526 | 56.0242 | | .098 | 63 | 2122 19188000 |

CONTROL-STICK
STICK-CONTROL

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

| PART CLASS | 252 GUNS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR JF DATA RPT SRCE REF NO | CROSS INDEX |
|------------------|----------|------------------------|-------------|--------------|---------------------|-----------------|------------|----------------------------|-------------|
| PART DESCRIPTION | | | | | | | | | |
| .C. N.O.C. | | | | | | | | | |
| CATAFULT | | EJECTION-SEAT-ASSEMBLY | AIR | 90-6349 | 134.332 | | .13237 | 66 1241 | 19248600 |
| DRUM-PARACHUTE | | EJECTION-SEAT | AIR | 143.537 | 195.682 | | .13237 | 66 1241 | 19250000 |
| TURRET | | FIRE-CONTROL-SYSTEM | AIR | 460.732 | 614.036 | 124 | .04775 | 63 1111 | 19252000 |

ROBE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

PART CLASS 352 HANDLES

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LATION | PART HOURS | YR | CRGSS | OF DATA INDEX | RPT SRC | REF NO |
|--|------------------------|-------------|--------------|---------------------|-----------------|-------------|------------|------------|-----------|---------------|---------|--------|
| | | | | | | | | | | | | |
| RELEASE-EXTRACTION-CHUTE-AIR-DROP-SYSTEM | AIR | AIR | 0.2472 | 93.1472 | 48 | 65 | 1227 | 192540000 | | | | |
| BATTERY-BOX-DC-POWER-SUPPLY | AIR | AIR | 0.9888 | 23.2868 | 192 | 55 | 1227 | 192540000 | | | | |
| JETTISON-TAKEOFF-ASSIST-SYSTEM | AIR | AIR | 1.0153 | 2.2675 | 400 | 65 | 1198 | 192580000 | | | | |
| RELEASE-LIFE-RAFT-SURVIVAL-EQUIPMENT | AIR | AIR | 0.76145 | 3.02396 | 300 | 65 | 1198 | 192600000 | | | | |
| BRAKE-PARKING-LANDING-GEAR | AIR | AIR | 0.1637 | 19.7858 | 100 | 65 | 1198 | 192620000 | | | | |
| CONTROL-WING-SPOILER-SYSTEM | AIR | AIR | 0.2472 | 93.1472 | 48 | 65 | 1227 | 192540000 | | | | |
| RESET-SHAFT-DISC-ACCESSORY-BASIC-ENGINE | AIR | AIR | 0.9888 | 23.2868 | 192 | 65 | 1227 | 192660000 | | | | |
| DOOR-EMERGENCY-FORWARD-ESCAPE-HATCH | AIR | AIR | 0.2472 | 93.1472 | 48 | 65 | 1227 | 192680000 | | | | |
| DOOR-EMERGENCY-SIDE-EXIT | AIR | AIR | 0.12691 | 18.1435 | 50 | 65 | 1198 | 192700000 | | | | |
| DOOR-EMERGENCY-SIDE-EXIT | AIR | AIR | 0.11637 | 19.7868 | 100 | 65 | 1198 | 192720000 | | | | |
| DOOR-EMERGENCY-SIDE-EXIT | AIR | AIR | 0.8478 | 27.1597 | 50 | 63 | 1198 | 192740000 | | | | |
| DOOR-EMERGENCY-SIDE-EXIT | AIR | AIR | 0.397 | 58 | 200 | 65 | 1198 | 192760000 | | | | |
| DOOR-HYDRAULIC-FORWARD-CARGO | AIR | AIR | 0.329 | 6.99878 | 608 | 66 | 1250 | 192780000A | | | | |
| DOOR-EMERGENCY-SIDE-EXIT | AIR | AIR | 0.19776 | 11.6434 | 384 | 65 | 1227 | 192800000 | | | | |
| DOOR-EMERGENCY-SIDE-EXIT | AIR | AIR | 0.8478 | 27.1597 | 50 | 63 | 1198 | 192820000 | | | | |
| RELEASE-NOSE-GEAR-EMERGENCY | AIR | AIR | 0.69823 | 3.29776 | 600 | 65 | 1198 | 192840000 | | | | |
| RELEASE-LIFE-RAFT-SURVIVAL-EQUIPMENT | AIR | AIR | 0.14832 | 15.5245 | 288 | 65 | 1227 | 192860000 | | | | |
| EQUIPMENT | AIR | AIR | 0.4944 | 46.5736 | 96 | 65 | 1227 | 192880000 | | | | |
| DOWN-LOCK-EMERGENCY-MAIN-LANDING-GEAR | AIR | AIR | 0.4944 | 46.5736 | 96 | 65 | 1227 | 192900000 | | | | |
| RELEASE-EMERGENCY-MAIN-LANDING-GEAR | AIR | AIR | 0.25382 | 9.07178 | 100 | 65 | 1198 | 192920000 | | | | |
| DOOR-MECHANICAL-CREW | AIR | AIR | 0.6226 | 27.9917 | 152 | 66 | 1250 | 192940000 | | | | |
| DOWN-LOCK-EMERGENCY-MAIN-LANDING-GEAR | AIR | AIR | 0.2472 | 93.1472 | 48 | 65 | 1227 | 192960000 | | | | |
| VALVE-INTERCONNECT-NO-3-HYD-SYSTEM | AIR | AIR | 0.2472 | 93.1472 | 48 | 65 | 1227 | 192980000 | | | | |
| CONTROL-PARKING-BRAKE-LANDING-GEAR | AIR | AIR | 0.2472 | 93.1472 | 48 | 65 | 1227 | 193000000 | | | | |
| CONTROL-WING-RETRIEVAL-AIR-DROP-SYS | AIR | AIR | 0.67823 | 3.39501 | 400 | 63 | 1198 | 193020000 | | | | |
| JETTISON-TAKEOFF-ASSIST-SYSTEM | AIR | AIR | 0.93907 | 2.452 | 800 | 65 | 1198 | 193040000 | | | | |
| JETTISON-TAKEOFF-ASSIST-SYSTEM | AIR | AIR | 0.4944 | 46.5736 | 96 | 65 | 1227 | 193060000 | | | | |
| LATCH-CLEAR-VISION-WINDSHIELD | AIR | AIR | 0.2472 | 93.1472 | 48 | 65 | 1227 | 193080000 | | | | |
| CONTROL-FLAP-WING | AIR | AIR | 0.441 | 8.82018 | 510 | 63 | 1114 | 193100000 | | | | |
| EMERGENCY-FIRE-EXTINGUISHER-SYSTEM | AIR | AIR | 0.23274 | 16.7126 | 200 | 65 | 1198 | 193120000 | | | | |
| DOOR-MECHANICAL-CREW | AIR | AIR | 0.38185 | 5.15596 | 500 | 65 | 1198 | 193140000 | | | | |
| EMERGENCY-FIRE-EXTINGUISHER-SYSTEM | AIR | AIR | 0.176 | 22.1005 | 204 | 63 | 1114 | 193160000 | | | | |
| DOOR-HYDRAULIC-FORWARD-CARGO | AIR | AIR | 0.176 | 22.1005 | 204 | 63 | 1114 | 193180000 | | | | |
| MANUAL-EXTN-MAIN-LANDING-GEAR | AIR | AIR | 0.176 | 22.1005 | 204 | 63 | 1114 | 193180000 | | | | |
| EMERGENCY-EQUIPMENT | AIR | AIR | 0.51789 | 5.79273 | 12.9 | 597 | 67 | 1272 | 193200000 | | | |
| WINDSHIELD-INSTRUCTOR | AIR | AIR | 0.32912 | 5.89761 | 15.6944 | 200 | 63 | 1198 | 193220000 | | | |
| RELEASE-LIFE-RAFT-SURVIVAL-EQUIPMENT | AIR | AIR | 0.299 | 6.6896 | 17.8003 | 200 | 63 | 1114 | 193240000 | | | |
| RELEASE-LIFE-RAFT-SURVIVAL-EQUIPMENT | AIR | AIR | 0.149 | 6.7114 | 26.1033 | 100 | 63 | 1114 | 193260000 | | | |
| MANUAL-DOOR-ELECTRIC-CONVERGENT-CAMERA | AIR | AIR | 0.138 | 7.24637 | 28.1862 | 59 | 1032 | 193280000 | | | | |
| EMERGENCY-CONTROL | AIR | AIR | 0.138 | 7.24637 | 28.1862 | 59 | 1032 | 193280000 | | | | |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 357 PARTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX RPT SRCE REF NO |
|--|-----------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|-----------------------------|
| PART DESCRIPTION | | | | | | | | | |
| RELEASE-MESE-GEAR-EMERGENCY | | AIR | | 7.8736 | 30.6492 | 50 | .12691 | 65 | 1198 19330000 |
| RELEASE-MAIN-GEAR-EMERGENCY-EQUIP | | AIR | | 8.79328 | 22.868 | 200 | .23274 | 65 | 1198 19332000 |
| JETTISON-CANOPY-INSTRUCTOR-EXTERNAL | | AIR | | 8.7512 | 34.0395 | 473 | .11427 | 65 | 1228 19334000 |
| LOCK-CANOPY-STUDENT | | AIR | | 8.7512 | 34.0395 | 473 | .11427 | 65 | 1228 19336000 |
| WINDSHIELD-INSTRUCTOR | | AIR | | 8.7512 | 34.0395 | 473 | .11427 | 65 | 1228 19338000 |
| DOOR-EMERGENCY-ESCAPE-SYSTEM | | AIR | | 9.26097 | 30.0224 | 62 | .1198 | 65 | 1155 19340000 |
| BRAKE-PARKING-LANDING-GEAR | | AIR | | 11.3636 | 44.2011 | 102 | .01 | 63 | 1114 19342000 |
| WINDSHIELD-INSTRUCTOR | | AIR | | 11.4077 | 44.3725 | 406 | .08766 | 64 | 1179 19344000 |
| DOOR-HYDRAULIC-FORWARD-CARGO | | AIR | | 11.0194 | 26.321 | 100 | .25382 | 65 | 1198 19346000 |
| DOOR-MECHANICAL-PERSONNEL | | AIR | | 12.1365 | 47.2854 | 152 | .08226 | 64 | 1250 19348000 |
| CARGO-COMPARTMENT | | | | | | | | | |
| EMERGENCY-FIRE-EXTINGUISHER-SYSTEM | | AIR | | 12.6075 | 20.4783 | 250 | .63454 | 65 | 1198 19350000 |
| EMERGENCY-FIRE-EXTINGUISHER-SYSTEM | | AIR | | 12.987 | 50.5155 | 340 | .377 | 63 | 1114 19352000 |
| RELEASE-MESE-GEAR-EMERGENCY | | AIR | | 17.1865 | 45.736 | 100 | .11637 | 65 | 1198 19354000 |
| T-JETTISON-CANOPY-INSTRUCTOR | | AIR | | 17.5024 | 46.5763 | 473 | .11427 | 65 | 1228 19356000 |
| MANUAL-EXTN-MAIN-LANDING-GEAR | | AIR | | 19.6889 | 35.5404 | 100 | .25382 | 65 | 1198 19358000 |
| EMERGENCY-EQUIPMENT | | | | | | | | | |
| DOOR-MECHANICAL-PERSONNEL-CARGO-COMP | | AIR | | 20.2265 | 78.6751 | 96 | .04934 | 65 | 1227 19360000 |
| MANUAL-EXTN-MAIN-LANDING-GEAR | | AIR | | 21.4832 | 35.85 | 200 | .23274 | 65 | 1198 19362000 |
| EMERGENCY-EQUIPMENT | | | | | | | | | |
| RELEASE-MAIN-GEAR-EMERGENCY-EQUIP | | AIR | | 23.5904 | 47.1428 | 100 | .16956 | 63 | 1198 19364000 |
| BRAKE-PARKING-LANDING-GEAR | | AIR | | 23.6387 | 52.642 | 50 | .12691 | 65 | 1198 19366000 |
| DOOR-EMERGENCY-FORWARD-ESCAPE-HATCH | | AIR | | 24.3131 | 94.5708 | 76 | .04113 | 66 | 1250 19368000 |
| VALVE-INTERCONNECT | | AIR | | 24.3131 | 94.5708 | 76 | .04113 | 66 | 1250 19370000 |
| NO-3-HYDRAULIC-SYSTEM | | | | | | | | | |
| JETTISON-CANOPY-INSTRUCTOR | | AIR | | 25.1618 | 36.6061 | 597 | .51782 | 67 | 1272 19372000 |
| RELEASE-MAIN-GEAR-EMERGENCY-EQUIP | | AIR | | 26.0456 | 53.6479 | 100 | .147 | 63 | 1114 19374000 |
| DOOR-MECHANICAL-CREW | | AIR | | 29.488 | 54.6986 | 100 | .16956 | 63 | 1198 19376000 |
| CONTROL-FIRE/OVERHEAT-DETECTION | | AIR | | 30.3398 | 67.5647 | 152 | .09888 | 65 | 1227 19378000 |
| ENGINE | | | | | | | | | |
| DOOR-MECHANICAL-CREW | | AIR | | 33.557 | 62.2463 | 100 | .149 | 63 | 1114 19380000 |
| MANUAL-EXTN-MAIN-LANDING-GEAR | | AIR | | 33.557 | 62.2463 | 100 | .149 | 63 | 1114 19382000 |
| EMERGENCY-EQUIPMENT | | | | | | | | | |
| LOCK-CANOPY-STUDENT | | AIR | | 34.2231 | 76.2126 | 406 | .08766 | 64 | 1179 19384000 |
| JETTISON-CANOPY-INSTRUCTOR | | AIR | | 34.2231 | 76.2126 | 406 | .08766 | 64 | 1179 19386000 |
| T-JETTISON-CANOPY-STUDENT | | AIR | | 34.2231 | 76.2126 | 406 | .08766 | 64 | 1179 19388000 |
| BRAKE-PARKING-LANDING-GEAR | | AIR | | 35.3857 | 78.8016 | 50 | .08478 | 63 | 1198 19390000 |
| BRAKE-PARKING-LANDING-GEAR | | AIR | | 40 | 89.0773 | 50 | .075 | 63 | 1114 19392000 |
| DOOR-MECHANICAL-FORWARD-ENTRANCE | | AIR | | 40.453 | 157.35 | 48 | .02472 | 65 | 1227 19394000 |
| MANUAL-EXTN-MAIN-LANDING-GEAR | | AIR | | 41.2833 | 65.4202 | 100 | .16956 | 63 | 1198 19396000 |
| EMERGENCY-EQUIPMENT | | | | | | | | | |
| T-JETTISON-CANOPY-STUDENT | | AIR | | 43.756 | 81.1447 | 473 | .11427 | 65 | 1228 19398000 |
| MANUAL-DOOR-ELECTRIC-CONVERGENT-CAMERA | | AIR | | 47.8697 | 186.199 | 100 | .02089 | 63 | 1193 19400000 |
| LOCK-CANOPY-INSTRUCTOR | | AIR | | 52.5072 | 92.1685 | 473 | .11427 | 65 | 1228 19402000 |

U.S. N.M.C.

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, MS. SECTION I FAILURE RATE DATA

PART CLASS 332 GYRS

PART DESCRIPTION

-GO N.O.C.

FUNCTIONAL APPLICATION

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | GROSS RPT SRCE REF NO |
|--------------------------------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|-----------------------|
| (STORAGE) | | | .163426 | .370585 | | 24,180 | 66 | 258 19480000A |
| (STORAGE) | | | .372208 | .58751 | | 24,180 | 66 | 258 19480000A |
| (STORAGE) | | MSL | .387931 | .612328 | 6265 | 23.2 | 65 | 1234 19484000 |
| (STORAGE) | | | .484191 | 1.08333 | | 2.0653 | 65 | 2521 19486000 |
| (STORAGE) | | | .538503 | 2.09461 | | 1.8570 | 66 | 2521 19488000A |
| GUN-SIGHT | | LAB | 6.9 | | | | 63 | 1138 19490000 |
| | | AIR | 6.13496 | 23.8631 | | .163 | 61 | 1083 19492000 |
| | | AIR GND | 50 | | | | 66 | 218 19494000 |
| | | | 50 | | | | 58 | 2M1 19494000 |
| | | LAC | 50 | | | | 62 | 2243 19496000 |
| | | LAB | 50 | | | | 61 | 1011 19500000 |
| FREQUENCY-CONVTR-XMTR-ANT-DOPPLER | | SIM GRD AIR | 82.7129 | 221.728 | 195 | .01209 | 64 | 1181 19502000A |
| | | | 136 | | | | 57 | 143 19504000 |
| FREQUENCY-CONVTR-XMTR-ANT-DOPPLER | | GRD | 120.37 | 175.532 | | .108 | 62 | 1072 19506000 |
| | | SIM GRD AIR | 125 | 486.212 | 139 | .008 | 63 | 1117 19508000 |
| | | AIR | 127 | | | | 66 | 215 19510000 |
| | | | 140 | | | | 57 | 2M3 19512000 |
| LEAD-COMPUTING-SIGHT-SYSTEM | | SIM GRD AIR | 216.216 | 379.535 | 195 | .02775 | 64 | 1181 19514000 |
| | | AIR | 250 | | | | 61 | 1068 19516000 |
| | | GRD | 261.78 | 696.636 | 300 | .00764 | 62 | 1159 19518000 |
| MD-1 NAVIGATION-INSTRUMENT | | AIR | 296.6 | 385.995 | 406 | .08766 | 64 | 1179 19520000 |
| PLATFORM-STABLE-SET-OF-3 | | AIR | 388.349 | 776.072 | | .0103 | 65 | 1188 19522000 |
| PLATFORM-STABILIZED | | AIR | 388.349 | 776.072 | | .0103 | 66 | 1241 19524000 |
| | | | 394 | | | | 59 | 214 19526000 |
| | | | 394 | | | | 65 | 219 19528000 |
| | | AIR | 394 | | | | 62 | 2240 19530000 |
| | | | 500 | | | | 65 | 219 19532000 |
| PLATFORM-STABLE-COORDINATE-CONVERTER | | GRD | 571.428 | 1520.65 | | .0035 | 62 | 1135 19534000 |
| FLIGHT-INSTRUMENTATION | | AIR | 618.333 | 697.14 | | .19407 | 63 | 1123 19536000A |
| | | | 715 | | | | 61 | 2M5 19538000 |
| | | | 750 | | | | 65 | 219 19540000 |
| MD-1 NAVIGATION-INSTRUMENT | | AIR | 752.603 | 867.655 | 473 | .11427 | 65 | 1228 19542000 |
| | | LAB | 766.283 | 963.794 | 77 | .04437 | 66 | 2003 19544000 |
| | | MSL | 1000 | | | | 58 | 212 19546000 |
| CAMERA-MOUNT-TV-VIEW-FINDER.FLT-NAV | | AIR | 1148.32 | 1701.58 | 50 | .01045 | 63 | 1198 19548000 |
| | | | 1251 | | | | 57 | 2M3 19550000 |
| CAMERA-MOUNT-TV-VIEW-FINDER.FLT-NAV | | AIR | 1333.33 | 1575.72 | 50 | .009 | 63 | 1114 19552000 |
| | | MSL | 1500 | 3340.4 | | .002 | 57 | 212 19554000 |
| ANTENNA-TARGET-SEEKER-SYSTEM | | GRD | 1739.13 | 3475.45 | | .0023 | 62 | 1135 19556000 |
| PLATFORM-AN/ASW-28-RADAR-TRANSMITTER | | AIR | 8250.75 | 8617.65 | 63 | .04642 | 64 | 1155 19558000 |
| CG-PILOT.FLIGHT-INST | | AIR | 1568.76 | 1757.87 | 50 | .08478 | 63 | 1198 19560000 |
| CG-PILOT.FLIGHT-INST | | AIR | 1640 | 1846.23 | 50 | .075 | 63 | 1114 19562000 |
| J-4-COMPASS | | AIR | 509.09 | 655.999 | 320 | .053 | 61 | 1080 19564000 |
| NAVIGATION-737-331B | | AIR | 140P | | | | 66 | 2361 19566000 |
| NAVIGATION-331C/373C | | AIR | 230P | | | | 65 | 2360 19568000 |

ATTITUDE
ALTITUDE
CONTROL
DIRECTIONAL
DIRECTIONAL

HQML AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

PART CLASS 358 GYRJS

PART DESCRIPTION

FUNCTIONAL APPLICATION

40 H.O.C.

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

ENVIRONMENT RATE FAILURE UPPER PART PART CROSS
90 CONF PBP- OF DATA INDEX
LIMIT LATION HOURS RPT SRCE REF NO

| | | | | | | | | |
|-------------|--------------------------------|-----|---------|---------|-----|----|------|----------|
| DIRECTIONAL | NAVIGATION-231C/373C | AIR | 23CP | | | 65 | 2360 | 19570000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 24CP | | | 66 | 2362 | 19572000 |
| DIRECTIONAL | NAVIGATION-231C/373C | AIR | 25CP | | | 66 | 2363 | 19574000 |
| DIRECTIONAL | NAVIGATION-231C/373C | AIR | 25CP | | | 66 | 2364 | 19576000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 26CP | | | 66 | 2365 | 19578000 |
| DIRECTIONAL | NAVIGATION-231C/373C | AIR | 28CP | | | 65 | 2362 | 19580000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 34CP | | | 65 | 2363 | 19582000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 39CP | | | 66 | 2362 | 19584000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 39CP | | | 66 | 2364 | 19586000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 42CP | | | 66 | 2361 | 19588000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 48CP | | | 66 | 2361 | 19590000 |
| DIRECTIONAL | NAVIGATION-231C/373C | AIR | 49CP | | | 65 | 2362 | 19592000 |
| DIRECTIONAL | NAVIGATION-231C/373C | AIR | 51CP | | | 65 | 2363 | 19594000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 51CP | | | 66 | 2362 | 19596000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 53CP | | | 65 | 2365 | 19598000 |
| DIRECTIONAL | NAVIGATION-231C/373C | AIR | 54CP | | | 65 | 2362 | 19600000 |
| DIRECTIONAL | NAVIGATION-231C/373C | AIR | 55CP | | | 66 | 2363 | 19604000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 57CP | | | 65 | 2364 | 19606000 |
| DIRECTIONAL | COMPASS | AIR | 57CP | | | 66 | 2361 | 19608000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 63CP | | | 66 | 2380 | 19610000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 67CP | | | 66 | 2364 | 19612000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 68CP | | | 66 | 2364 | 19614000 |
| DIRECTIONAL | C-12-COMPASS-SYSTEM-NAV | AIR | 687.702 | 864.958 | 96 | 65 | 1227 | 19618000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 69CP | | | 66 | 2361 | 19620000 |
| DIRECTIONAL | C-12-COMPASS-SYSTEM-NAVIGATION | AIR | 692.924 | 826.027 | 152 | 66 | 1250 | 19622000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 70CP | | | 66 | 2361 | 19624000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 74CP | | | 66 | 2362 | 19626000 |
| DIRECTIONAL | COMPASS | AIR | 76CP | | | 66 | 2380 | 19628000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 765.957 | 895.122 | | 57 | 212 | 19630000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 85CP | | | 65 | 2361 | 19632000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 92CP | | | 66 | 2361 | 19634000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 92CP | | | 66 | 2364 | 19636000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 99CP | | | 66 | 2362 | 19638000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 100CP | | | 66 | 2361 | 19640000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 105CP | | | 65 | 2364 | 19642000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 115CP | | | 66 | 2362 | 19644000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 1184.04 | 1300.92 | | 66 | 2362 | 19646000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 121CP | | | 66 | 2362 | 19648000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 123CP | | | 61 | 1083 | 19650000 |
| DIRECTIONAL | NAVIGATION-707-331B | AIR | 125CP | | | 65 | 2362 | 19652000 |
| DIRECTIONAL | CU-PILOT-FLIGHT-INST | AIR | 1315.89 | 1456.22 | 50 | 65 | 1198 | 19654000 |
| DIRECTIONAL | | AIR | | | | 65 | 1198 | 19656000 |

ROPE JIM DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

PART CLASS 358 CYROS

PART DESCRIPTION

FUNCTIONAL APPLICATION

NO. R.O.E.

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

UPPER 90 CONF PART FART Y2 CRSS
LIMIT LATION HOURS RPT SRCR REF NG

ENVIRONMENT

FAILURE RATE

| | | | | | | | |
|-------------|---------------------|-----|---------|---------|----|------|----------|
| DIRECTIONAL | NAVIGATION-707-121B | AIR | 1330P | 1330P | 65 | 2361 | 19660000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 1340P | 1340P | 66 | 2364 | 19662000 |
| DIRECTIONAL | NAVIGATION-880 | AIR | 1340P | 1340P | 66 | 2365 | 19664000 |
| DIRECTIONAL | NAVIGATION-880 | AIR | 1350P | 1350P | 65 | 2363 | 19666000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 1420P | 1420P | 65 | 2361 | 19668000 |
| DIRECTIONAL | NAVIGATION-880 | AIR | 1420P | 1420P | 66 | 2363 | 19670000 |
| DIRECTIONAL | NAVIGATION-707-131B | AIR | 1450P | 1450P | 65 | 2361 | 19672000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 1450P | 1450P | 66 | 2364 | 19674000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 1490P | 1490P | 63 | 1114 | 19676000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 1520P | 1520P | 66 | 2362 | 19678000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 1530P | 1530P | 65 | 2363 | 19680000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 1580P | 1580P | 66 | 2364 | 19682000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 1590P | 1590P | 65 | 2360 | 19684000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 1591.28 | 1591.28 | 63 | 1114 | 19686000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 1670P | 1670P | 66 | 2363 | 19688000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 1790P | 1790P | 65 | 2361 | 19690000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 1810P | 1810P | 66 | 2360 | 19692000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 1850P | 1850P | 66 | 2364 | 19694000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 1890P | 1890P | 66 | 2363 | 19696000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 1895.65 | 1895.65 | 61 | 1084 | 19698000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 1970P | 1970P | 66 | 2363 | 19700000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 2311.86 | 2311.86 | 63 | 1198 | 19702000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 2370P | 2370P | 65 | 2363 | 19704000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 2520P | 2520P | 63 | 1114 | 19706000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 2650P | 2650P | 65 | 2365 | 19708000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 3000P | 3000P | 61 | 1082 | 19710000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 3320P | 3320P | 67 | 211 | 19712000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 3690P | 3690P | 61 | 212 | 19714000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 4570P | 4570P | 64 | 2363 | 19716000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 4940P | 4940P | 65 | 2365 | 19718000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 5050P | 5050P | 65 | 2360 | 19720000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 5240P | 5240P | 66 | 2360 | 19722000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 5460P | 5460P | 66 | 2365 | 19724000 |
| DIRECTIONAL | NAVIGATION-707-131 | GRD | 5600P | 5600P | 36 | 2365 | 19726000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 5660P | 5660P | 61 | 1081 | 19728000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7000P | 7000P | 66 | 2363 | 19730000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7000P | 7000P | 66 | 2360 | 19732000 |
| DIRECTIONAL | NAVIGATION-707-131 | MSL | 7170.9 | 7170.9 | 66 | 2360 | 19734000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 57 | 212 | 19736000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 64 | 1198 | 19738000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 65 | 1198 | 19740000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19742000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 65 | 1198 | 19744000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19746000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19748000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19750000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19752000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19754000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19756000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19758000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19760000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19762000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19764000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19766000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19768000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19770000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19772000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19774000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19776000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19778000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19780000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19782000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19784000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19786000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19788000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19790000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19792000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19794000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19796000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19798000 |
| DIRECTIONAL | NAVIGATION-707-131 | AIR | 7170.9 | 7170.9 | 63 | 1114 | 19800000 |

NSA AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

| PART CLASS | 350 GYROS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR SF DATA INDEX | GROSS SF DATA INDEX |
|-------------------------------------|-----------|---------------------------|-------------|--------------|---------------------|-----------------|------------|------------------|---------------------|
| DIRECTIONAL CONTROL UNIT | | | | | | | | | |
| DIRECTIONAL NAVIGATION | | | AIR | 3030.3 | 8064.09 | 6 | .00066 | 62 | 1157 19750000 |
| DISPLACEMENT | | | AIR | 1004.89 | 1164.76 | | .07963 | 63 | 1123 19752000A |
| DISPLACEMENT | | | GRD | * | 1101.72 | | .00239 | 64 | 1180 19754000 |
| DISPLACEMENT | | STANDBY ALL-ATT-REF | SIM SPD AIR | 20.1979 | 78.5639 | 195 | .04951 | 64 | 1181 19756000A |
| DISPLACEMENT | | AUTOPILOT | LAB | 124.921 | 332.435 | 140 | .01601 | 61 | 2600 19758000 |
| DISPLACEMENT | | | AIR | 451.251 | 565.587 | | .07313 | 66 | 1241 19760000A |
| DISPLACEMENT | | AUTOPILOT | LAB | 959.763 | 1249.13 | 100 | .02109 | 61 | 2600 19762000 |
| DISPLACEMENT | | AJB-7-LOFT-FOHB-COMPUTER | AIR | 1275.95 | 1536.87 | | .03997 | 65 | 1188 19764000 |
| DISPLACEMENT | | MD-1-FLIGHT-DIRECTOR | AIR | 1385.84 | 1567.46 | 152 | .08226 | 66 | 1250 19764000 |
| DISPLACEMENT | | | GRD | 2600 | 2887.6 | | .060 | 63 | 2240 19768000 |
| DISPLACEMENT | | | AIR | 3489.15 | 3596.18 | 597 | .51789 | 67 | 1272 19770000A |
| DISPLACEMENT | | AJB-2A-LOFT-8048-COMPUTER | AIR | 4596.14 | 4952.09 | | .06636 | 65 | 1188 19772000 |
| DISPLACEMENT | | | AIR | 16600 | | | .070 | 62 | 1091 19774000 |
| DISPLACEMENT ALL-ATTITUDE-REFERENCE | | | SIM GRD AIR | 600 | 736.978 | 278 | | 63 | 1117 19776000 |
| DISPLACEMENT ALL-ATTITUDE-REFERENCE | | | SIM GRD AIR | 1110.88 | 1226.6 | 195 | .04951 | 64 | 1181 19778000A |
| DISPLACEMENT DIRECTIONAL | | LINE-SIGHT-RADAR | AIR | 210.354 | 289.31 | | .09557 | 63 | 1123 19780000A |
| DISPLACEMENT DIRECTIONAL | | ASN-55 | AIR | 411.184 | 762.722 | | .01216 | 66 | 1241 19782000A |
| DISPLACEMENT DIRECTIONAL | | MASTER-ATT-REF-SYS-FLT | AIR | 738.636 | 970.477 | 102 | .088 | 63 | 1114 19784000 |
| DISPLACEMENT DIRECTIONAL | | MASTER-ATT-REF-SYS-FLT | AIR | 898.274 | 1015.99 | 50 | .12691 | 65 | 1198 19786000 |
| DISPLACEMENT DIRECTIONAL | | FLT-DIR-A-F-STD | AIR | 903.225 | 1163.86 | 136 | .031 | 63 | 1114 19788000 |
| DISPLACEMENT DIRECTIONAL | | MD-1-FLIGHT-DIRECTOR | AIR | 953.647 | 1154.23 | 96 | .04944 | 65 | 1227 19790000 |
| DISPLACEMENT DIRECTIONAL | | FLT-DIR-A-F-STD | AIR | 1029.5 | 1112.88 | 200 | .23274 | 65 | 1198 19792000 |
| DISPLACEMENT PITCH/ROLL | | | AIR | 1029.17 | 1088.6 | 597 | .51789 | 67 | 1272 19794000A |
| DISPLACEMENT PITCH/ROLL | | | HELI | 2649.53 | 2797.85 | 302 | .214 | 65 | 1234 19796000A |
| DISPLACEMENT 2-DEGREE-FREEDOM | | | AIR | 528.925 | 742.201 | | .03025 | 62 | 1136 19798000 |
| DISPLACEMENT 2-DEGREE-FREEDOM | | | GRD | 1016.45 | 1136.09 | | .13675 | 62 | 1136 19800000 |
| DISPLACEMENT 2-DEGREE-FREEDOM | | | AIR GND | 1090.9 | 1435.61 | 460 | .022 | 65 | 1221 19802000 |
| DISPLACEMENT 2-DEGREE-FREEDOM | | | LAB | 100 | | | | 60 | 2113 19804000 |
| DISPLACEMENT 2-DEGREE-FREEDOM | | | GEN | 46 | | | .176 | 62 | 1078 19806000 |
| DISPLACEMENT 2-DEGREE-FREEDOM | | | LAB | 500 | | | | 60 | 2113 19808000 |
| DISPLACEMENT 2-DEGREE-FREEDOM | | | LAB | 750 | | | | 60 | 2113 19810000 |
| DISPLACEMENT 2-DEGREE-FREEDOM | | | LAB | 500 | | | | 60 | 2113 19812000 |
| DISPLACEMENT 2-DEGREE-FREEDOM | | | LAB | 250 | | | | 60 | 2113 19814000 |
| DISPLACEMENT 2-DEGREE-FREEDOM | | | GRD | 4.33452 | 6.01889 | 279 | 3.922 | 66 | 1264 19816000A |
| DISPLACEMENT 2-DEGREE-FREEDOM | | | AIR | 3135 | | | | 57 | 211 19818000 |
| DISPLACEMENT 2-DEGREE-FREEDOM | | | LAB | 596.816 | 942.042 | 375 | .01508 | 64 | 1244 19820000 |
| DISPLACEMENT 2-DEGREE-FREEDOM | | | SIM GRD AIR | * | 32.8942 | 278 | .070 | 63 | 1117 19822000 |
| DISPLACEMENT 2-DEGREE-FREEDOM | | | LAB | 10 | | | | 62 | 1138 19824000 |
| DISPLACEMENT 2-DEGREE-FREEDOM | | | AIR | 400 | | | .055 | 61 | 1080 19826000 |
| DISPLACEMENT 2-DEGREE-FREEDOM | | | AIR | 76.923 | 533.055 | 320 | .936 | 59 | 1070 19828000 |
| DISPLACEMENT 2-DEGREE-FREEDOM | | | AIR | | 59.8947 | | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NONELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 256 GYROS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|-------------------------|-----------|----------------------------|---------------|--------------|-------------|-----------------|------------|------------|-------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| STARVED-FLUATED-MED | | | | | | | | | |
| STARVED-FLUATED-MINIMUM | | | | | | | | | |
| THREE-AXIS-RATE | | AUTO-PILOT.88C | LAB | 1500 | | | | 60 2113 | 19830000 |
| THREE-AXIS-RATE | | AUTO-PILOT.88C | LAB | 3400 | | | | 50 211 | 19832000 |
| THREE-AXIS-RATE | | AUTO-PILOT.88C | AIR | 330P | | | | 46 2383 | 19834000 |
| THREE-AXIS-RATE | | AUTO-PILOT.88C | AIR | 760P | | | | 66 2363 | 19836000 |
| THREE-AXIS-RATE | | AUTO-PILOT.88C | AIR | 900P | | | | 65 2363 | 19838000 |
| THREE-AXIS-RATE | | AUTO-PILOT.88C | AIR | 1020P | | | | 66 2363 | 19840000 |
| TURN-RATE | | AUTO-PILOT.88C | LAB | * | 683.264 | 88 | .00337 | 61 2600 | 19842000 |
| TURN-RATE | | AUTO-PILOT.88C | LAB | 119.904 | 466.39 | 120 | .00834 | 61 2600 | 19844000 |
| TURN-RATE | | AUTO-PILOT.88C | LAB | 158.478 | 421.735 | 39 | .01262 | 61 2600 | 19846000 |
| TURN-RATE | | AUTO-PILOT.88C | LAB | 230.546 | 659.314 | 18 | .00433 | 61 2600 | 19848000 |
| TURN-RATE | | AUTO-PILOT.88C | LAB | 869.565 | 2314.04 | 12 | .00230 | 61 2600 | 19850000 |
| TURN-RATE | | AUTO-PILOT.88C | LAB | 1162.79 | 3094.36 | 8 | .00172 | 61 2600 | 19852000 |
| VERTICAL | | AUTO-FLIGHT-CONTROL-SYSTEM | SIM CRD AIR * | 89.9755 | 55.3775 | 195 | .04158 | 64 1181 | 19854000 |
| VERTICAL | | AUTO-FLIGHT-CONTROL-SYSTEM | SIM CRD AIR * | 76.7553 | 76.7553 | 139 | .03 | 63 1117 | 19856000 |
| VERTICAL | | ASTROCOMPASS-MD-1 | AIR | 89.9755 | 109.584 | 31 | .01194 | 63 1111 | 19858000 |
| VERTICAL | | | AIR | 200 | 152.847 | | .489 | 61 1183 | 19860000 |
| VERTICAL | | | AIR | 213.1 | 266.547 | | .110 | 58 212 | 19862000 |
| VERTICAL | | NAVIGATION.727 | AIR | 220P | | | | 57 211 | 19864000 |
| VERTICAL | | NAVIGATION.231C/373C | AIR | 251P | | | | 65 2365 | 19866000 |
| VERTICAL | | NAVIGATION.231C/373C | AIR | 270P | | | | 66 2365 | 19868000 |
| VERTICAL | | IFS | AIR | 320 | | | | 56 2380 | 19870000 |
| VERTICAL | | AUTO-FLIGHT-CONTROL-SYSTEM | AIR | 321.428 | 507.357 | | .028 | 61 1082 | 19874000 |
| VERTICAL | | NAVIGATION.707-331B | AIR | 364.077 | 574.676 | 48 | .02472 | 55 1227 | 19876000 |
| VERTICAL | | NAVIGATION.707-331 | AIR | 451P | | | | 65 2364 | 19878000 |
| VERTICAL | | | MSL | 454.545 | | | | 66 2364 | 19880000 |
| VERTICAL | | | AIR | 488P | 843.154 | | .011 | 61 212 | 19882000 |
| VERTICAL | | | AIR | 500 | | | | 66 2361 | 19884000 |
| VERTICAL | | NAVIGATION.231C/373C | AIR | 510P | | | | 57 211 | 19886000 |
| VERTICAL | | | GRD | 536 | | | | 66 2363 | 19888000 |
| VERTICAL | | NAVIGATION.707-331B | AIR | 580P | | | | 57 211 | 19890000 |
| VERTICAL | | IFS-11C-AVC | AIR | 583.333 | 980.908 | 50 | .012 | 66 2364 | 19892000 |
| VERTICAL | | IFS-14-AVC | AIR | 590 | | | | 66 2380 | 19896000 |
| VERTICAL | | FLIGHT-DIR-SYS-MA-1 | AIR | 597.014 | 969.753 | 50 | .0134 | 66 2380 | 19898000 |
| VERTICAL | | FLIGHT-DIR-SYS-MA-1 | AIR | 613.636 | 735.142 | 102 | .088 | 63 1198 | 19900000 |
| VERTICAL | | FLIGHT-DIR-SYS-MA-1 | AIR | 630P | | | | 63 1114 | 19902000 |
| VERTICAL | | NAVIGATION.707-331 | AIR | 640.186 | 716.133 | | .214 | 63 2364 | 19904000 |
| VERTICAL | | FLIGHT-DIR-SYS-MA-1 | AIR | 654.006 | 755.96 | 50 | .12691 | 57 212 | 19906000 |
| VERTICAL | | NAVIGATION | AIR | 660P | | | | 65 1198 | 19908000 |
| VERTICAL | | NAVIGATION.707-331B | AIR | 730P | | | | 66 2361 | 19910000 |
| VERTICAL | | AUTOPILOT | AIR | 744.03 | 817.88 | | .25671 | 66 2364 | 19912000 |
| VERTICAL | | NAVIGATION.231C/373C | AIR | 750P | | | | 63 1123 | 19914000 |
| VERTICAL | | FLIGHT-INSTRUMENT-MD-1 | AIR | 921.656 | 1228.33 | 62 | .02387 | 66 2365 | 19916000 |
| | | | AIR | | | | | 63 1111 | 19918000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 358 GYROS

PART DESCRIPTION FUNCTIONAL APPLICATION

.00 N.G.C.

| VERTICAL | AUTO-FLIGHT-CONTROL-SYSTEM | ENVIRONMENT | FAILURE RATE | UPPER SC CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|----------|----------------------------|-------------|--------------|---------------------|-----------------|------------|------------|--------------|
| VERTICAL | NAVIGATION-707-331 | AIR | 923.899 | 1147.25 | 76 | .04113 | 66 | 1250 1920000 |
| VERTICAL | NAVIGATION-880 | AIR | 930P | | | | 65 | 2364 1920000 |
| VERTICAL | NAVIGATION-331C/373C | AIR | 940P | | | | 66 | 2360 1924000 |
| VERTICAL | NAVIGATION-707-331B | AIR | 980P | | | | 65 | 2365 1926000 |
| VERTICAL | | AIR | 990P | | | | 66 | 2362 1928000 |
| VERTICAL | | AIR | 996.282 | 1053.66 | | .538 | 63 | 2117 1930000 |
| VERTICAL | | AIR | 1000 | | | | 57 | 211 1992000 |
| VERTICAL | | AIR | 1200P | | | | 55 | 2330 1993400 |
| VERTICAL | | AIR | 1000 | 1195.98 | | .055 | 58 | 212 1993600 |
| VERTICAL | NAVIGATION-707-131B | AIR | 1010P | | | | 66 | 2362 1993800 |
| VERTICAL | | AIR | 1071.42 | 1231.18 | | .084 | 59 | 1070 1994000 |
| VERTICAL | NAVIGATION | AIR | 1110P | | | | 66 | 2361 1994200 |
| VERTICAL | NAVIGATION-707-131B | AIR | 1110P | | | | 66 | 2362 1994400 |
| VERTICAL | NAVIGATION-707-331B | AIR | 1110P | | | | 66 | 2364 1994600 |
| VERTICAL | NAVIGATION-707-131 | AIR | 1110P | | | | 66 | 2362 1994800 |
| VERTICAL | | MSL | 1112 | | | | 57 | 211 1995000 |
| VERTICAL | NAVIGATION-331C/373C | AIR | 1120P | | | | 65 | 2363 1995200 |
| VERTICAL | NAVIGATION-880 | AIR | 1170P | | | | 66 | 2363 1995400 |
| VERTICAL | NAVIGATION-880 | AIR | 1210P | | | | 66 | 2365 1995600 |
| VERTICAL | NAVIGATION-880 | AIR | 1210P | | | | 66 | 2363 1995800 |
| VERTICAL | NAVIGATION-707-131 | AIR | 1240P | | | | 66 | 2364 1996000 |
| VERTICAL | NAVIGATION | AIR | 1250P | | | | 66 | 2361 1996200 |
| VERTICAL | NAVIGATION | AIR | 1250P | | | | 66 | 2361 1996400 |
| VERTICAL | NAVIGATION-707-1315 | AIR | 1280P | | | | 65 | 2362 1996600 |
| VERTICAL | NAVIGATION-727 | AIR | 1300P | | | | 66 | 2363 1996800 |
| VERTICAL | NAVIGATION-707-1316 | AIR | 1310P | | | | 66 | 2364 1997000 |
| VERTICAL | NAVIGATION | AIR | 1330P | | | | 65 | 2361 1997200 |
| VERTICAL | NAVIGATION-707-331 | AIR | 1350P | | | | 66 | 2364 1997400 |
| VERTICAL | NAVIGATION-707-331 | AIR | 1370P | | | | 65 | 2362 1997600 |
| VERTICAL | NAVIGATION-727 | AIR | 1380P | | | | 66 | 2360 1997800 |
| VERTICAL | NAVIGATION | AIR | 1380P | | | | 65 | 2361 1998000 |
| VERTICAL | NAVIGATION-331C/373C | AIR | 1390P | | | | 66 | 2361 1998200 |
| VERTICAL | NAVIGATION-707-1315 | AIR | 1400P | | | | 65 | 2364 1998400 |
| VERTICAL | NAVIGATION | AIR | 1420P | | | | 65 | 2361 1998600 |
| VERTICAL | NAVIGATION | AIR | 1440P | | | | 65 | 2361 1998800 |
| VERTICAL | NAVIGATION-331C/373C | AIR | 1500P | | | | 66 | 2360 1999000 |
| VERTICAL | NAVIGATION-880 | AIR | 1500P | | | | 66 | 2365 1999200 |
| VERTICAL | NAVIGATION-707-131 | AIR | 1510P | | | | 65 | 2362 1999400 |
| VERTICAL | NAVIGATION | AIR | 1520P | | | | 65 | 2361 1999600 |
| VERTICAL | NAVIGATION-707-331 | AIR | 1550P | | | | 66 | 2362 1999800 |
| VERTICAL | NAVIGATION-880 | AIR | 1590P | | | | 65 | 2360 2000000 |
| VERTICAL | NAVIGATION-707-131 | AIR | 1640P | | | | 65 | 2364 2000200 |
| VERTICAL | NAVIGATION | AIR | 1680P | | | | 66 | 2361 2000400 |
| VERTICAL | NAVIGATION-331C/373C | AIR | 1680P | | | | 66 | 2360 2000600 |
| VERTICAL | NAVIGATION-880 | AIR | 1800P | | | | 65 | 2363 2000800 |

HOME AIR DEVELOPMENT CENTER, GRINFISS AFB, N.Y. SECTION I FAILURE RATE DATA

PART CLASS 356 GYROS

PART DESCRIPTION

FUNCTIONAL APPLICATION

N.C. N.O.C.

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------------|--------------------------------|-------------|--------------|---------------------|-----------------|------------|------------|----------------|
| VERTICAL | NAVIGATION-707-131 | AIR | 1830P | | | | 66 | 2362 20010000 |
| VERTICAL | NAVIGATION-707-331B | AIR | 1840P | | | | 65 | 2362 20012000 |
| VERTICAL | NAVIGATION-707-331 | AIR | 1860P | | | | 66 | 2362 20015000 |
| VERTICAL | NAVIGATION-727 | AIR | 1920P | | | | 66 | 2365 20018000 |
| VERTICAL | NAVIGATION | AIR | 1940P | | | | 66 | 2361 20018000 |
| VERTICAL | NAVIGATION-727 | AIR | 1950P | | | | 66 | 2363 20022000 |
| VERTICAL | NAVIGATION-707-331B | MSL | 2000P | 5322.3 | | .001 | 57 | 212 20022000 |
| VERTICAL | NAVIGATION-727 | AIR | 2060P | | | | 66 | 2362 20024000 |
| VERTICAL | NAVIGATION-727 | AIR | 2140P | | | | 66 | 2365 20026000 |
| VERTICAL | NAVIGATION-880 | AIR | 2170P | | | | 65 | 2365 20028000 |
| VERTICAL | NAVIGATION-880 | AIR | 2190P | | | | 66 | 2360 20030000 |
| VERTICAL | NAVIGATION-727 | AIR | 2330P | | | | 65 | 2360 20032000 |
| VERTICAL | NAVIGATION-727 | AIR GND | 2347.43 | 2450 | | .331 | 57 | 212 20034000 |
| VERTICAL | NAVIGATION-727 | AIR | 2440P | | | | 65 | 2365 20036000 |
| VERTICAL | NAVIGATION-727 | AIR | 2520P | | | | 66 | 2360 20038000 |
| VERTICAL | PILOTS-CHASSIS | HELI | 2644.96 | 3442.15 | 216 | .00583 | 63 | 1118 20040000A |
| VERTICAL | | GRD | 3400 | 4721.22 | | .005 | 61 | 1081 20042000 |
| VERTICAL | | AIR | 4000P | | | | 65 | 2330 20044000 |
| VERTICAL | ALTC-STAB-EQUIP-SENSOR-CHASSIS | HELI | 4025.69 | 5003.85 | 216 | .00543 | 63 | 1118 20046000A |
| VERTICAL | | MSL | 4451 | | | | 57 | 212 20048000 |
| VERTICAL | | AIR GND | 5333.33 | 7483.86 | | .003 | 57 | 212 20050000 |
| VERTICAL | | AIR | 6060.6 | 12111.4 | 6 | .00066 | 62 | 1157 20052000 |
| VERTICAL | ATTITUDE/HORIZON-INDICATOR | AIR | 6508.42 | 7509.8 | 86 | .01306 | 66 | 1240 20054000A |
| VERTICAL | | HELI | 11275.4 | 13360.6 | 216 | .00541 | 63 | 1118 20056000A |
| VERTICAL | | LAB | 12500 | 19258.3 | 21 | .0008 | 65 | 1278 20058000A |
| VERTICAL | | AIR | 78 | | | | 57 | 211 20060000 |
| VERTICAL | | AIR GND | 1000 | | | | 57 | 211 20062000 |
| VERTICAL | | AIR | 1416.66 | 1967.17 | 31 | .012 | 63 | 1111 20064000 |
| VERTICAL | | AIR | 3804.95 | 3919.69 | | .49199 | 62 | 1136 20066000 |
| VERTICAL-29VDC/FREEDOM | FLT/NAV-INSTRUMENTATION | HELI | 233.333 | 352.363 | 120 | .03 | 65 | 1215 20068000 |

.50 INTEGRATING

AZIMUTH-MINIATURE
FLOATED-GIMBAL-MINIATURE
1-DEGREE-FREEDOM
FLOATED-GIMBAL-MINIATURE
1-DEGREE-FREEDOM
INERTIAL-REF. 1-DEG-FREE
MAGNETIC-SUSPENSION
1-DEGREE-FREEDOM
PERMANENT-MAGNET-TORQUE-GENERATOR-MINIATURE
1-DEGREE-FREEDOM

| | | | | | | |
|-----|---------|---------|----|--------|----|---------------|
| AIR | 285.714 | 760.328 | | .007 | 61 | 1082 20070000 |
| AIR | 416.666 | 772.891 | 31 | .012 | 63 | 1111 20072000 |
| GRD | 238.726 | 376.816 | | .0377 | 62 | 1136 20074000 |
| GRD | 371.747 | 1445.56 | | .00269 | 62 | 1136 20076000 |
| GRD | 785.757 | 1017.44 | | .03436 | 62 | 1136 20078000 |
| LAB | * | 21.5196 | | .107 | 62 | 1136 20080000 |
| GRD | 434.056 | 632.986 | | .02995 | 62 | 1136 20082000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 358 GYROS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | TR OF DATA RPT SRCE REF NO | CROSS INDEX |
|------------------------------------|-----------|------------------------|---------------|--------------|---------------------|-----------------|------------|----------------------------|-------------|
| PART DESCRIPTION | | | | | | | | | |
| 50 INTEGRATING | | | | | | | | | |
| VISCOUS-DAMP. 1-DEG-FREEDOM | | | LAB | 66.6666 | 177.41 | | .03 | 62 1136 2008400 | |
| VISCOUS-DAMP. 1-DEG-FREEDOM | | | GRD | 193.05 | 358.096 | | .0259 | 62 1136 2008600 | |
| VISCOUS-DAMP. 1-DEG-FREEDOM | | | MSC | * | 677.235 | | .0034 | 62 1136 2008800 | |
| REFERENCE. 1-DEGREE-FREEDOM | | | | | | | | | |
| VISCOUS-DAMP. 1-DEGREE-FREEDOM | | | GRD | 374.812 | 532.043 | | .04002 | 62 1136 2009000 | |
| REFERENCE. 1-DEGREE-FREEDOM | | | | | | | | | |
| 1-DEGREE-FREEDOM | | | GRD | | 18.4888 | | .12454 | 62 1136 2009200 | |
| 1-DEGREE-FREEDOM | | | LAB | 288.379 | 382.71 | | .1175 | 62 1136 2009400 | |
| 1-DEGREE-FREEDOM | | | MSL | 150.000 | 324.044 | | .00024 | 62 1136 2009600 | |
| (P=MISSIONS) | | | | | | | | | |
| 70 RATE | | | | | | | | | |
| AUTO-FLIGHT-CONTROL-SYSTEM | | | SIM GRD AIR * | | 55.3775 | 195 | .04158 | 64 1181 2009800A | |
| AUTO-FLIGHT-CONTROL-SYSTEM | | | SIM GRD AIR * | | 76.7532 | 139 | .03 | 63 1117 2010000 | |
| | | | GRD | 6.39692 | 12.7835 | 164 | .8253 | 66 1264 2010400A | |
| | | | LAB | 7.5 | | | | 63 1138 2010500 | |
| | | | AIR | 25 | | | | 65 219 2010800 | |
| | | | AIR | 35.4 | | | | 65 219 2011000 | |
| | | | GRD | 41.7 | | | | 65 219 2011200 | |
| | | | GRD | 44.4444 | 72.1927 | | .180 | 63 2240 2011400 | |
| | | | GRD | 46 | | | | 65 219 2011600 | |
| | | | LAB | 55.6 | | | | 65 219 2011800 | |
| | | | LAB | 59.2592 | 118.422 | 180 | .0675 | 66 1259 2012000A | |
| | | | AIR | 71.4285 | 277.835 | | .014 | 61 1082 2012200 | |
| | | | GRD | 75.7575 | 294.674 | 60 | .0132 | 65 1207 2012400 | |
| MASTER-ATT-REF-SYS-FLIGHT-INSTR | | | AIR | 79.5454 | 133.76 | 102 | .088 | 63 1114 2012600 | |
| MASTER-ATT-REF-SYS-FLIGHT-INSTR | | | AIR | 94.5551 | 140.111 | 50 | .12691 | 65 1198 2012800 | |
| | | | AIR | 96 | | | | 57 212 2013000 | |
| | | | AIR | 100 | | | | 62 219 2013200 | |
| | | | AIR | 100.4 | | | | 65 219 2013400 | |
| | | | AIR | 139.973 | 171.503 | 189 | .3072 | 64 1140 2013600 | |
| | | | MSL | 141 | | | | 65 219 2013800 | |
| | | | AIR | 214.285 | 477.2 | 2 | .014 | 61 212 2014000 | |
| | | | AIR | 236 | | | | 66 2006 2014200A | |
| INFRARED-SEARCH-AND-TRACK | | | SIM GRD AIR | 288.288 | 468.277 | 195 | .02775 | 64 1181 2014400A | |
| ANTENNA-RADAR-SYSTEM | | | SIM GRD AIR | 350 | 588.545 | 139 | .02 | 62 1117 2014600 | |
| ANTENNA-RADAR-SYSTEM | | | AIR | 350 | | | | 60 1068 2014800 | |
| AUTO-STABILIZ-EQUIP-SENSOR-CHASSIS | | | MSL | 353.616 | 544.789 | 216 | .03328 | 63 1118 2015000 | |
| | | | MSL | 375 | | | | 65 219 2015200 | |
| | | | MSL | 429.906 | 523.102 | 151 | .107 | 66 1234 2015400A | |
| | | | GRD | 478.19 | 1050.44 | 242 | .0063 | 61 1069 2015600A | |
| NAVIGATION-INSTRUMENT | | | AIR | 855.578 | 996.629 | 406 | .02766 | 64 1179 2015800 | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

PART CLASS 356 GVADS

PART DESCRIPTION FUNCTIONAL APPLICATION

.70 RATE

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1960

UPPER PART PART CROSS
90 COMF OF DATA
LIMIT LATION INDEX
RPT SAGE REF N9

FAILURE ENVIRONMENT RATE

NAVIGATION-INSTRUMENT

| ENVIRONMENT | FAILURE RATE | UPPER 90 COMF LIMIT | PART LATION | PART INDEX | CROSS RPT SAGE REF N9 |
|-------------|--------------|---------------------|-------------|------------|-----------------------|
| AIR | 1286.42 | 1433.35 | 475 | 11427 | 65 1225 20140000 |
| MSL | 1333.33 | 2694.51 | | .003 | 57 212 20162000 |
| AIR GND | 4250 | 5636.88 | | .005 | 57 212 20164000 |
| SIM MSL | 157000 | 334040 | 43 | .00002 | 54 1130 20165000A |
| GRD | 402.391 | 470.248 | 1314 | .17893 | 64 1163 20168000 |
| GRD | 357.380 | 425.273 | | .1455 | 64 1163 20170000 |
| GRD | 1636.36 | 2644.45 | | .022 | 64 1163 20172000 |
| LAB | 53.118 | 66.1827 | 46 | .12078 | 62 1136 20174000 |
| GRD | 88.7255 | 127.561 | | .15779 | 62 1136 20176000 |
| MSL | 3000M | 19448.52 | | .0002M | 62 1136 20178000 |
| AIR GND | 250 | | | | 57 211 20180000 |
| AIR | 394 | | | | 57 211 20182000 |
| AIR | 417 | | | | 57 211 20184000 |
| GRD | 556 | | | | 57 211 20186000 |
| MSL | 1000 | | | | 57 211 20188000 |
| GRD | 3000 | | | | 57 211 20190000 |
| GSD | 1410 | | | | 57 211 20192000 |
| GSD | 1460 | | | | 57 211 20194000 |
| AIR | 498.972 | 538.725 | | .57919 | 62 1135 20196000 |

(M=PISSIONS)

15M-FLOATED-SPRING-
RESTRAINED-1-DEG-FREEDOM

PITCH STABILITY-AUGMENTER-AUTOS-PILGT
PITCH STABILITY-AUGMENTER-A-PLT
PITCH STABILITY-AUGMENTER-A-PLT

| ENVIRONMENT | FAILURE RATE | UPPER 90 COMF LIMIT | PART LATION | PART INDEX | CROSS RPT SAGE REF N9 |
|-------------|--------------|---------------------|-------------|------------|-----------------------|
| AIR | 17.3782 | 27.4305 | 597 | .31789 | 67 1272 20178000A |
| AIR | 35.0048 | 65.9531 | 473 | .11421 | 65 1228 20200000 |
| AIR | 34.1565 | 144.188 | 486 | .03693 | 64 1179 20200000 |
| AIR | 76.5696 | 257.833 | 86 | .01306 | 66 1240 20204000A |
| SIM GND AIR | 336.7 | 484.078 | 195 | .04158 | 64 1181 20206000A |
| AIR | 300.925 | 438.841 | | .0432 | 66 1241 20208000 |
| AIR | 307.723 | 475.058 | | .59144 | 66 1241 20210000A |
| AIR | 351.508 | 475.058 | | .05693 | 65 1188 20212000 |
| SIM GND AIR | 300 | 173.533 | 139 | .03 | 63 1117 20214000 |
| GRD | 759.493 | 1332.17 | 19 | .0079 | 62 1135 20216000 |
| GRD | 3703.7 | 7401.43 | 19 | .00108 | 66 1245 20218000A |
| MSL | 0 | .047971M | 12 | .48M | 65 1187 20220000A |
| GRD | 2865.76 | 3906.87 | 37 | .00663 | 65 1187 20222000A |
| GRD | 126.582 | 452.367 | | .0070 | 42 1135 20224000 |
| GRD | 253.164 | 673.708 | | .0079 | 62 1135 20226000 |
| AIR | 347.222 | 452.879 | | .0432 | 66 1241 20228000 |
| AIR | 211.348 | 237.655 | | .59144 | 66 1241 20230000A |
| AIR | 840.293 | 529.908 | | .19874 | 63 1123 20232000A |
| AIR | 3745.31 | 5770.28 | 36 | .00267 | 66 1256 20234000A |
| AIR | 307.941 | 382.388 | 226 | .1234 | 60 1250 20236000A |
| AIR | 337.108 | 441.089 | 144 | .07416 | 65 1227 20238000 |
| AIR | 202.265 | 311.623 | 96 | .04944 | 65 1227 20240000 |
| AIR | 303.914 | 397.656 | 152 | .08226 | 66 1230 20242000 |
| AIR | 482.218 | 610.951 | | .06636 | 65 1188 20244000 |
| AIR | 762.71 | 814.279 | 597 | .51789 | 67 1272 20246000 |

AUTO-FLIGHT-CONTROL-SYSTEM

AUTO-FLIGHT-CONTROL-SYSTEM

CONTROL-INSTRUMENTATION

STABILIZER-CONTROL

(M=PIALTES)

BULKHEAD-CONTROL-INSTRUMENTATION

CONTROL-INSTRUMENTATION

FLIGHT-CONTROL/MEASUREMENT

RUDDER-AFCS

RUDDER-AFCS

MC-1-FLIGHT-DIRECTOR

FLIGHT-DIRECTOR

AJB-2A-LOFT-BOMB-COMPARTMENT

SWITCHING

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 3EP GYROS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART PSPU-LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|---|-----------|------------------------|-------------|--------------|---------------------|------------------|------------|------------|----------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| -7C RATE | | | | | | | | | |
| SWITCHING-ALL-ATTITUDE-REFERENCE-SYSTEM | | | SIM GRD AIR | 201.979 | 311.182 | 195 | .04951 | 64 | 1181 20248000 |
| SWITCHING-ALL-ATTITUDE-REF | | | SIM GRD AIR | 157.142 | 237.116 | 278 | .070 | 63 | 1117 20250000 |
| SWITCHING-FLIGHT-DIRECTOR | | | AIR | 241.098 | 287.874 | 200 | .23227 | 65 | 1196 20252000 |
| A-F-STD | | | AIR | 41.8925 | 162.953 | 62 | .02387 | 63 | 1111 20254000 |
| SWITCHING-FLIGHT-INSTRUMENT | | | AIR | 290.322 | 458.258 | 136 | .031 | 63 | 1114 20256000 |
| SWITCHING-FLT-CIR-A-F-STD | | | AIR | 656.34 | 764.544 | 473 | .11427 | 65 | 1228 20258000 |
| SWITCHING-NAVIGATION-INSTRUMENT | | | AIR | 381.818 | 512.441 | 320 | .055 | 61 | 1080 20260000 |
| SWITCHING-TYPE-MC-1 | | | AIR | 34.6971 | 109.306 | | .07313 | 66 | 1241 20262000A |
| SWITCHING-TYPE-MC-1-AJB-7-COMP | | | AIR | 61.2369 | 162.96 | | .03266 | 65 | 1188 20264000 |
| THREE-AXIS | | AUTO-PILOT.707-1318 | AIR | 140P | | | | 66 | 2361 20266000 |
| THREE-AXIS | | AUTO-PILOT.707-131 | AIR | 260P | | | | 65 | 2361 20268000 |
| THREE-AXIS | | AUTO-PILOT.707-131 | AIR | 310P | | | | 66 | 2364 20270000 |
| THREE-AXIS | | AUTO-PILOT.707-131 | AIR | 310P | | | | 66 | 2362 20272000 |
| THREE-AXIS | | AUTO-PILOT.707-131 | AIR | 340P | | | | 65 | 2362 20274000 |
| THREE-AXIS | | AUTO-PILOT.707-1318 | AIR | 340P | | | | 65 | 2361 20276000 |
| THREE-AXIS | | AUTO-PILOT.707-1318 | AIR | 390P | | | | 66 | 2364 20278000 |
| THREE-AXIS | | AUTO-PILOT.707-1318 | AIR | 420P | | | | 66 | 2361 20280000 |
| THREE-AXIS | | AUTO-PILOT.800 | AIR | 450P | | | | 66 | 2365 20282000 |
| THREE-AXIS | | AUTO-PILOT.331C/373C | AIR | 480P | | | | 66 | 2360 20284000 |
| THREE-AXIS | | AUTO-PILOT.331C/373C | AIR | 510P | | | | 66 | 2365 20286000 |
| THREE-AXIS | | AUTO-PILOT.707-131 | AIR | 530P | | | | 66 | 2361 20288000 |
| THREE-AXIS | | AUTO-PILOT.707-131 | AIR | 560P | | | | 66 | 2361 20290000 |
| THREE-AXIS | | AUTO-PILOT.707-1318 | AIR | 570P | | | | 66 | 2361 20292000 |
| THREE-AXIS | | AUTO-PILOT.707-1318 | AIR | 570P | | | | 66 | 2362 20294000 |
| THREE-AXIS | | AUTO-PILOT.830 | AIR | 600P | | | | 66 | 2360 20296000 |
| THREE-AXIS | | AUTO-PILOT.707-131 | AIR | 620P | | | | 65 | 2364 20298000 |
| THREE-AXIS | | AUTO-PILOT.707-131 | AIR | 670P | | | | 66 | 2364 20300000 |
| THREE-AXIS | | AUTO-PILOT.707-131 | AIR | 680P | | | | 66 | 2364 20302000 |
| THREE-AXIS | | AUTO-PILOT.707-1318 | AIR | 680P | | | | 66 | 2364 20304000 |
| THREE-AXIS | | AUTO-PILOT.707-131 | AIR | 740P | | | | 66 | 2362 20306000 |
| THREE-AXIS | | AUTO-PILOT.800 | AIR | 790P | | | | 66 | 2365 20308000 |
| THREE-AXIS | | AUTO-PILOT.707-1318 | AIR | 840P | | | | 65 | 2364 20310000 |
| THREE-AXIS | | AUTO-PILOT.707-1318 | AIR | 850P | | | | 65 | 2364 20312000 |
| THREE-AXIS | | AUTO-PILOT.707-131 | AIR | 910P | | | | 66 | 2361 20314000 |
| THREE-AXIS | | AUTO-PILOT.707-131 | AIR | 1010P | | | | 66 | 2362 20316000 |
| THREE-AXIS | | AUTO-PILOT.707-1318 | AIR | 1010P | | | | 66 | 2364 20318000 |
| THREE-AXIS | | AUTO-PILOT.707-1318 | AIR | 1050P | | | | 65 | 2362 20320000 |
| THREE-AXIS | | AUTO-PILOT.707-1318 | AIR | 1060P | | | | 65 | 2361 20322000 |
| THREE-AXIS | | AUTO-PILOT.707-1318 | AIR | 1070P | | | | 66 | 2361 20324000 |
| THREE-AXIS | | AUTO-PILOT.800 | AIR | 1160P | | | | 66 | 2360 20326000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 350 GYROS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|---|-----------|-----------------------------|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| .70 RATE | | | | | | | | | |
| THREE-AXIS | | AUTO-PILOT.707-131B | AIR | 1200P | | | | 64 | 2364 20328000 |
| THREE-AXIS | | AUTO-PILOT.707-131 | AIR | 1210P | | | | 65 | 2362 20330000 |
| THREE-AXIS | | AUTO-PILOT.880 | AIR | 1280P | | | | 65 | 2365 20332000 |
| THREE-AXIS | | AUTO-PILOT.707-131 | AIR | 1360P | | | | 65 | 2364 20334000 |
| THREE-AXIS | | AUTO-PILOT.880 | AIR | 1430P | | | | 65 | 2360 20336000 |
| THREE-AXIS | | AUTO-PILOT.707-131B | AIR | 1440P | | | | 65 | 2362 20338000 |
| THREE-AXIS | | AUTO-PILOT.707-131B | AIR | 1480P | | | | 66 | 2362 20340000 |
| THREE-AXIS | | AUTO-PILOT.707-131 | AIR | 1600P | | | | 66 | 2362 20342000 |
| THREE-AXIS | | AUTO-PILOT.707-131B | AIR | 1840P | | | | 66 | 2364 20344000 |
| THREE-AXIS | | AUTO-PILOT.707-131B | AIR | 2060P | | | | 65 | 2361 20346000 |
| THREE-AXIS | | AUTO-PILOT.707-331 | AIR | 2220P | | | | 66 | 2361 20348000 |
| THREE-AXIS | | AUTO-PILOT.707-131 | AIR | 2360P | | | | 66 | 2361 20350000 |
| THREE-AXIS | | AUTO-PILOT.707-131B | AIR | 645.161 | 872.422 | 136 | .031 | 63 | 1114 20352000 |
| TRANSMITTER.FLT-CIR.A-F-STO | | | GRD | 159.744 | 425.103 | | .01252 | 62 | 1136 20354000 |
| VISCOUS-DAMP.SPRING-RESTRAINED.1-DEGREE-FREEDOM | | | LAB | 43.956 | 170.975 | | .02275 | 62 | 1136 20356000 |
| VISCOUS-DAMP.SPRING-RESTRAINED.1-DEGREE-FREEDOM | | | MSL | 294.117 | 1144.02 | | .0034 | 62 | 1136 20358000 |
| VAN | | STABILITY-AUGMENTER.A-PILOT | AIR | 148.3 | 216.266 | 406 | .08766 | 64 | 1179 20360000 |
| VAN | | STABILITY-AUGMENTER.A-PILOT | AIR | 157.521 | 216.647 | 473 | .11427 | 65 | 1228 20362000 |
| VAN | | STABILITY-AUGMENTER.A-PILOT | AIR | 287.705 | 320.327 | 597 | .51789 | 67 | 1272 20364000 |
| VAN | | STABILITY-AUGMENTER.A-PILOT | AIR | 612.557 | 1224.12 | 43 | .00633 | 66 | 1240 20366000 |
| VAN.AN/ASA-32E | | | AIR | 439.814 | 599.596 | | .0432 | 66 | 1241 20368000 |
| VAN.ASA-32 | | | AIR | 346.611 | 379.741 | | .59144 | 66 | 1241 20370000 |
| VAN.ASA-32 | | | AIR | 414.004 | 534.925 | | .05693 | 65 | 1188 20372000 |
| 2-PACKAGE | | | GRD | 593.471 | 879.404 | | .02022 | 64 | 1163 20374000 |
| 2-PACKAGE | | | GRD | 1375.09 | 1891.23 | | .01309 | 64 | 1163 20376000 |
| 2-AXIS | | AUTOPILLOT | GRD | 121.359 | 270.258 | 48 | .02472 | 65 | 1227 20378000 |
| 2-AXIS | | AUTOC-FLT-COMT-SYSTEM | AIR | 267.444 | 403.553 | 76 | .04113 | 66 | 1250 20380000 |
| 3-PACKAGE | | AUTO-FLIGHT-CONTROL-SYSTEM | AIR | 4000 | 5230.95 | 26 | .0055 | 65 | 1207 20382000 |
| 3-PKG/SIGNAL-AMPL.ANGULAR-VELOCITY | | | GRD | * | 4605.2 | | .0005 | 64 | 1171 20384000 |
| 3-PKG/SIGNAL-AMPL.ANGULAR-VELOCITY | | | GRD | * | 3654.92 | | .00062 | 65 | 1207 20386000 |
| 3-PKG/SIGNAL-AMPL.ANGULAR-VELOCITY | | | GRD | 757.575 | 2946.74 | | .00132 | 65 | 1207 20388000 |
| 3-PKG/SIGNAL-AMPL.ANGULAR-VELOCITY | | | GRD | 1010.1 | 3926.98 | | .00099 | 64 | 1171 20390000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 361 HARDWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|---------------------------|--------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| TAIL-WHEEL-DRAG | | | AIR | 666.666 | 779.087 | | .108 | 63 | 2101 20392000 |
| CAP. ENGINE-OIL-TANK | | 1 | AIR | 170P | | | | 66 | 2362 20394000 |
| CAP. ENGINE-OIL-TANK | | OIL-707-131 | AIR | 230P | | | | 65 | 2362 20396000 |
| CAP. FILLER | | OIL-707-131 | AIR | 40P | | | | 66 | 2364 20398000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 60P | | | | 66 | 2364 20400000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 60P | | | | 66 | 2362 20402000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 80P | | | | 66 | 2362 20404000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 80P | | | | 65 | 2362 20406000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 80P | | | | 65 | 2362 20408000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 80P | | | | 66 | 2364 20410000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 100P | | | | 65 | 2364 20412000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 110P | | | | 66 | 2362 20414000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 130P | | | | 66 | 2360 20416000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 130P | | | | 66 | 2360 20418000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 130P | | | | 66 | 2362 20420000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 160P | | | | 66 | 2364 20422000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 170P | | | | 65 | 2362 20424000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 170P | | | | 66 | 2362 20426000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 180P | | | | 66 | 2364 20428000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 190P | | | | 66 | 2362 20430000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 230P | | | | 66 | 2362 20432000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 230P | | | | 65 | 2364 20434000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 320P | | | | 65 | 2364 20436000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 410P | | | | 65 | 2364 20438000 |
| CAP. FILLER | | FUEL-707-131 | AIR | 410P | | | | 65 | 2364 20440000 |
| CAP. LAVATORY-DRAIN | | WATER/WASTE-707-131 | AIR | 290P | | | | 66 | 2362 20442000 |
| CAP. LAVATORY-DRAIN | | WATER/WASTE-707-131 | AIR | 540P | | | | 66 | 2362 20444000 |
| CAP. LAVATORY-DRAIN | | WATER/WASTE-707-131 | AIR | 540P | | | | 65 | 2362 20446000 |
| CAP. OVERWING-FUEL | | FUEL-707-131 | AIR | 20P | | | | 66 | 2364 20448000 |
| CAP. OVERWING-FUEL | | FUEL-707-131 | AIR | 20P | | | | 66 | 2364 20450000 |
| CAP. OVERWING-FUEL | | FUEL-707-131 | AIR | 30P | | | | 66 | 2364 20452000 |
| CAP. OVERWING-FUEL | | FUEL-707-131 | AIR | 40P | | | | 66 | 2362 20454000 |
| CAP. OVERWING-FUEL | | FUEL-707-131 | AIR | 40P | | | | 66 | 2362 20456000 |
| CAP. OVERWING-FUEL | | FUEL-707-131 | AIR | 50P | | | | 65 | 2362 20458000 |
| CAP. OVERWING-FUEL | | FUEL-707-131 | AIR | 50P | | | | 65 | 2362 20460000 |
| CAP. OVERWING-FUEL | | FUEL-707-131 | AIR | 80P | | | | 65 | 2362 20462000 |
| CAP. PRESS-REFUEL | | FUEL-727 | AIR | 110P | | | | 66 | 2363 20464000 |
| CAP. PRESS-REFUEL | | FUEL-727 | AIR | 170P | | | | 65 | 2363 20466000 |
| CAP. PRESS-REFUEL | | FUEL-727 | AIR | 240P | | | | 66 | 2363 20468000 |
| CAP. PRESS-REFUEL-DEFUEL- | | FUEL-280 | AIR | 450P | | | | 65 | 2363 20470000 |
| AD-CAP | | | | | | | | 65 | 2363 20472000 |
| CAP. PRESS-REFUEL-DEFUEL- | | FUEL-880 | AIR | 670P | | | | 66 | 2363 20474000 |
| AD-CAP | | | | | | | | 66 | 2363 20476000 |
| CAP. PRESS-REFUEL-DEFUEL- | | FUEL-880 | AIR | 790P | | | | 66 | 2363 20478000 |
| AD-CAP | | | | | | | | 66 | 2363 20480000 |

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

Get Hardware

FLACTICNAL APPLICATION

U.S. N.G.C.

| DESCRIPTION | FUEL-REC | AIR | 24CP | 65 2360 20478000 |
|------------------------------------|---|-----|----------|------------------|
| CAP. PRESSURE-REFUEL- DEFUEL-AD | FUEL-REC | AIR | 24CP | 65 2360 20478000 |
| CAP. PRESSURE-REFUEL- DEFUEL-AD | FUEL-REC | AIR | 40CP | 66 2360 20480000 |
| CAP. PRESSURE-REFUEL- DEFUEL-AD | FUEL-REC | AIR | 49CP | 66 2360 20480000 |
| CAP-LAVATORY-CHAIN | WATER/WASTE-707-131B | AIR | 28CP | 65 2364 20484000 |
| CAP-LAVATORY-CHAIN | WATER/WASTE-707-131B | AIR | 53CP | 66 2364 20486000 |
| CAP-LAVATORY-CHAIN | WATER/WASTE-707-131B | AIR | 67CP | 66 2364 20488000 |
| CAPS | FILLER-OIL-TANK-ENGINE-SYSTEM | AIR | * | 66 1250 20490000 |
| CAPS | FILLER-NO-1-HYDRAULIC-RESERVOIR | AIR | * | 66 1250 20492000 |
| CAPS | TANK-WATER-SYSTEM | AIR | * | 66 1250 20494000 |
| CAPS | FILLER-OIL-TANK-CONSTANT-SPEED- DRIVE-SYSTEM | AIR | * | 66 1250 20496000 |
| CAPS | FILLER-NO-3-HYDRAULIC-RESERVOIR | AIR | * | 66 1250 20498000 |
| CAPS | FILLER-NO-2-HYDRAULIC-RESERVOIR | AIR | * | 66 1250 20500000 |
| CAPS | FILLER-TANK-FUEL-SYSTEM | AIR | * | 66 1250 20502000 |
| CAPS | TANK-WATER-SYSTEM | AIR | * | 66 1250 20504000 |
| CAPS | VALVE-FILLER-AIR-TIRE-LANDING-GEAR | AIR | * | 65 1227 20506000 |
| CAPS | CONTROL-WHEEL-AILERON-SYSTEM | AIR | * | 65 1227 20508000 |
| CAPS | FILLER-NO-1-HYDRAULIC-RESERVOIR | AIR | * | 65 1227 20510000 |
| CAPS | FILLER-TANK-AUXILIARY-FUEL-SYSTEM | AIR | * | 65 1227 20512000 |
| CAPS | FILLER-NO-2-HYDRAULIC-RESERVOIR | AIR | * | 65 1227 20514000 |
| CAPS | FILLER-TANK-FUEL-SYSTEM | AIR | * | 65 1227 20516000 |
| CAPS | DISCONNECT-LANDING-GEAR-NOSE | AIR | * | 65 1227 20518000 |
| CAPS | FILLER-NO-3-HYDRAULIC-RESERVOIR | AIR | * | 65 1227 20520000 |
| CAPS | FILLER-OIL-TANK-CSD-SYSTEM | AIR | * | 65 1227 20522000 |
| CAPS | FILLER-TANK-AUXILIARY-FUEL-SYSTEM | AIR | * | 65 1227 20524000 |
| CAPS | CAGE-REAR-ING-TURBINE-REAR-POWER- SECTION | AIR | 501379 | 65 1201 20526000 |
| CAPS | FILLER-TANK-Integral-TYPE-FUEL-SYS | AIR | 1.56993 | 65 1158 20528000 |
| CAPS | FILLER-TANK-Integral-TYPE-FUEL-SYS | AIR | 2.83286 | 63 1114 20530000 |
| CAPS | FILLER-TANK-Integral-TYPE-FUEL-SYS | AIR | 4.29664 | 63 1198 20532000 |
| CAPS | VALVE-FILLER-AIR-TIRE-LANDING-GEAR | AIR | 4.50566 | 67 1272 20534000 |
| CAPS | FILLER-OIL-TANK-ENGINE | AIR | 8.59328 | 65 1198 20536000 |
| CAPS | FILLER-OIL-TANK-ENGINE | AIR | 10.1132 | 65 1227 20538000 |
| CAPS | FILLER-OIL-TANK-ENGINE | AIR | 11.9196 | 65 1198 20540000 |
| CAPS | FILLER-OIL-TANK-ENGINE | AIR | 14.1643 | 63 1114 20542000 |
| CAPS | FILLER-OIL-TANK-ENGINE | AIR | 16.129 | 63 1114 20544000 |
| CAPS | FILLER-TANK-FUEL-SYSTEM (M=MILES) | GRD | 16.2074M | 66 1255 20546000 |
| CAPS | FILLER-OIL-ATM-AUXILIARY-POWER-PLANT | AIR | 17.1865 | 65 1198 20548000 |
| CAPS | FILLER-TANK-AUXILIARY-FUEL-SYSTEM | AIR | 17.6928 | 63 1198 20550000 |
| CAPS | FILLER-OIL-TANK-ENGINE | AIR | 17.6928 | 63 1198 20552000 |
| CAPS | FILLER-OIL-TANK-ENGINE | AIR | 20.0668 | 63 1114 20554000 |
| CAPS | FILLER-TANK-AUXILIARY-FUEL-SYSTEM | AIR | 20.1342 | 63 1114 20556000 |

ROSE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NO. ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 361 HARDWARE

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER 90 CONF
LIMIT

PART POPU-
LATION

PART HOURS

YR OF DATA

CROSS
RPT SRCE REF NO

•UO N.O.C.

| CAPS | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA | CROSS RPT SRCE REF NO |
|--|--------------|------------------------|----------------------|------------|------------|--------------------------|
| FILLER, OIL, CONSTANT-SPEED-DRIVE | 20.9424 | 81.4596 | 124 | .04775 | 63 | 1111 20556000 |
| ANTENNA, FIN, UHF-AND-IFF-COMM | 21.427 | 83.3447 | | .04667 | 63 | 1123 20560000A |
| FILLER, TANK, HYDRAULIC-POWER-SUPPLY | 30.6292 | 51.5047 | 946 | .22854 | 65 | 1228 20562000 |
| FILLER, TANK, HYDRAULIC-POWER-SUPPLY | 34.2231 | 60.0735 | 812 | .17532 | 64 | 1179 20564000 |
| FILLER, TANK, INTEGRAL-TYPE-FUEL-SYS | 38.3345 | 55.9033 | 200 | .33912 | 63 | 1198 20566000 |
| HOLD-FORWARD-SPRING-COMM-GUN | 40R | 79.9355R | 2 | .1 | 64 | 1134 20568000 |
| FILLER, OIL-TANK, APU | 40.453 | 157.35 | 48 | .02472 | 65 | 1227 20570000 |
| FILLER, TANK, INTEGRAL-TYPE-FUEL-SYS | 43.4782 | 63.4045 | 260 | .239 | 63 | 1114 20572000 |
| FILLER, OIL-TANK, TURBOJET-J-85 | 65.634 | 93.167 | 946 | .22854 | 65 | 1228 20574000 |
| FILLER, OIL-TANK, AUXILIARY-POWER-UNIT | 72.9394 | 162.431 | 76 | .04113 | 66 | 1250 20576000 |
| FILLER, HYDRAULIC-POWER-SUPPLY | 79.1735 | 91.5864 | 1194 | 1.0257 | 57 | 1272 20578000 |
| FILLER, OIL-TANK, TURBOJET-J-85 | 117.808 | 174.368 | 812 | .10156 | 64 | 1129 20580000 |
| FILLER, TANK, FUEL-SYSTEM | 140.015 | 195.478 | 473 | .11427 | 65 | 1228 20582000 |
| FILLER, TANK, FUEL-SYSTEM | 162.523 | 226.121 | 406 | .08756 | 64 | 1171 20584000 |
| ADAPTER, SINGLE-POINT-REFUELING-SYS | 222.491 | 323.125 | 56 | .04944 | 65 | 1227 20586000 |
| FILLER, TANK, FUEL-WING | 320.334 | 343.385 | 848 | 1.077 | 64 | 1266 20588000 |
| ADAPTER, SINGLE-POINT-REFUELING-SYSTEM | 413.323 | 519.859 | 152 | .08226 | 66 | 1250 20590000 |
| FILLER, FUEL-SYSTEM | 513.622 | 556.378 | 597 | .51789 | 67 | 1272 20592000 |
| NO-2-HYDRAULIC-SYSTEM | * | 27.9917 | 152 | .08226 | 66 | 1250 20594000 |
| NO-2-HYDRAULIC-SYSTEM | * | 46.5736 | 96 | .04944 | 65 | 1227 20596000 |
| OIL, 707-131 | 110P | 115.08 | | .00199 | 64 | 1180 20598000 |
| OIL, 707-131 | 130P | | | | 66 | 2361 20600000 |
| FUEL, 707-131 | 30P | | | | 65 | 2361 20602000 |
| FUEL, 707-131 | 60P | | | | 66 | 2361 20604000 |
| FUEL, 707-131 | 70P | | | | 61 | 2361 20606000 |
| FUEL, 707-131 | 70P | | | | 64 | 2361 20608000 |
| FUEL, 707-131 | 70P | | | | 65 | 2361 20610000 |
| FUEL, 707-131 | 90P | | | | 65 | 2361 20612000 |
| FUEL, 707-131 | 90P | | | | 65 | 2361 20614000 |
| FUEL, 707-131 | 130P | | | | 66 | 2361 20616000 |
| FUEL, 707-131 | 170P | | | | 65 | 2361 20618000 |
| 640.668 | 673.05 | | | 1.077 | 63 | 1111 20620000 |
| WHEEL, MAIN-LANDING-GEAR | * | 516.278 | | .00446 | 64 | 1180 20624000 |
| WHEEL, MAIN-LANDING-GEAR | * | 6.99878 | 608 | .329 | 66 | 1250 20626000 |
| FUEL, 707-131 | * | 11.6454 | 384 | .19776 | 65 | 1227 20628000 |
| FUEL, 707-131 | 30P | | | | 66 | 2361 20630000 |
| FUEL, 707-131 | 60P | | | | 66 | 2361 20632000 |
| FUEL, 707-131 | 60P | | | | 65 | 2361 20634000 |
| FIXED-SYSTEM | 66.6666 | 259.313 | 60 | .015 | 63 | 1114 20636000 |
| FIXED-SYSTEM | 232.015 | 300.414 | 200 | .11527 | 65 | 1128 20638000 |
| WHEEL, LANDING-GEAR | * | 6.78992 | 200 | .33912 | 63 | 1198 20640000 |
| WHEEL, LANDING-GEAR, M6SE | * | 9.89341 | 200 | .23274 | 65 | 1198 20642000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 361 HARDWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LATION | HOURS | YR | DATA INDEX |
|------------------|--------------|---------------------------------------|-------------|--------------|---------------------|-----------------|-------------|--------|----|----------------|
| PART DESCRIPTION | | | | | | | | | | RPT SRC REF NO |
| CHAINS | | ADJUSTING-PEDAL-REDUCTION-CONTROL-SYS | AIR | 60.6796 | 135.129 | 96 | | .04944 | 65 | 1227 20726000 |
| CLAMPS | | TUBE-FIRE-DETECTION-SYSTEM | AIR | * | .199861 | 9900 | | 11.521 | 65 | 1198 20728000 |
| CLAMPS | | PIPE-TAIL-GTC-AUX-POWER-PLANT | AIR | * | 15.7868 | 100 | | .11637 | 65 | 1198 20730000 |
| CLAMPS | | PIPE-EXHAUST-BASIC-ENGINE | AIR | * | 4.94672 | 400 | | .43548 | 65 | 1198 20732000 |
| CLAMPS | | WING-ANTI-ICE-SYSTEM (STORAGE) | AIR | * | 5.8217 | 768 | | .39552 | 65 | 1227 20734000 |
| CLAMPS | | WING-ANTI-ICE-SYSTEM | MSL | .00002 | | | | | 65 | 2440 20736000 |
| CLAMPS | | HOSE-BLEED-AIR/ANTI-ICE-PNEUMATIC. | AIR | 1.51975 | 5.91139 | 1216 | | .658 | 66 | 1250 20738000 |
| CLAMPS | | ENGINE | AIR | 1.61121 | 2.82824 | 3200 | | 3.739 | 65 | 1198 20740000 |
| CLAMPS | | PIPE-EXHAUST-BASIC-ENGINE | AIR | 2.83286 | 11.0189 | 408 | | .353 | 63 | 1114 20742000 |
| CLAMPS | | DUCT-STARTER-REDUCTION-GEAR-SYSTEM | AIR | 5.90981 | 13.1607 | 200 | | .50163 | 65 | 1198 20744000 |
| CLAMPS | | EMPENNAGE-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 8.06451 | 31.3685 | 544 | | .124 | 63 | 1114 20746000 |
| CLAMPS | | PIPE-TAIL-GTC-AUX-POWER-PLANT | AIR | 8.59328 | 33.4252 | 100 | | .11637 | 65 | 1198 20748000 |
| CLAMPS | | DUCT-STARTER-REDUCTION-GEAR-SYSTEM | AIR | 15.7591 | 41.9375 | 50 | | .12691 | 65 | 1198 20750000 |
| CLAMPS | | EMPENNAGE-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 24.7054 | 32.7113 | 600 | | .93097 | 65 | 1198 20752000 |
| CLAMPS | | EMPENNAGE-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 34.0909 | 75.9181 | 102 | | .088 | 63 | 1114 20754000 |
| CLAMPS | | DUCT-AIR-CONDITIONER-CARGO-COMPT | AIR | 39.3975 | 73.0809 | 50 | | .12691 | 65 | 1198 20756000 |
| CLAMPS | | DUCT-AIR-CONDITIONER-FLIGHT-DECK | AIR | 51.5596 | 90.5052 | 100 | | .11637 | 65 | 1198 20758000 |
| CLAMPS | | DUCT-AIR-CONDITIONER-CARGO-COMPT | AIR | 55.1571 | 92.7499 | 50 | | .12691 | 65 | 1198 20760000 |
| CLAMPS | | EMPENNAGE-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 56.8181 | 105.394 | 102 | | .088 | 63 | 1114 20762000 |
| CLAMPS | | PIPE-EXHAUST-BASIC-ENGINE | AIR | 58.2161 | 109.397 | 50 | | .08478 | 65 | 1198 20764000 |
| CLAMPS | | EMPENNAGE-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 63.5451 | 86.6306 | 200 | | .299 | 63 | 1114 20766000 |
| CLAMPS | | DUCT-AIR-CONDITIONER-FLIGHT-DECK | AIR | 66.6666 | 123.662 | 50 | | .075 | 63 | 1114 20768000 |
| CLAMPS | | DUCT-AIR-CONDITIONER-FLIGHT-DECK | AIR | 66.6666 | 259.313 | 68 | | .015 | 63 | 1114 20770000 |
| CLAMPS | | DUCT-BLEED-AIR-SYSTEM-AIR-CONDITIONER | AIR | 66.6666 | 259.313 | 68 | | .015 | 63 | 1114 20772000 |
| CLAMPS | | PIPE-TAIL-GTC-AUX-POWER-PLANT | AIR | 66.6666 | 123.662 | 50 | | .075 | 63 | 1114 20774000 |
| CLAMPS | | PIPE-EXHAUST-BASIC-ENGINE | AIR | 70.7714 | 93.1338 | 200 | | .33912 | 63 | 1198 20776000 |
| CLAMPS | | DUCT-AIR-CONDITIONER-CARGO-COMPT | AIR | 70.9163 | 111.937 | 50 | | .12691 | 65 | 1198 20778000 |
| CLAMPS | | DUCT-AIR-CONDITIONER-FLIGHT-DECK | AIR | 77.3395 | 122.076 | 100 | | .11637 | 65 | 1198 20780000 |
| CLAMPS | | DUCT-AIR-CONDITIONER-FLIGHT-DECK | AIR | 79.5454 | 133.76 | 102 | | .098 | 63 | 1114 20782000 |
| CLAMPS | | WING-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 82.5666 | 138.84 | 50 | | .08478 | 63 | 1198 20784000 |
| CLAMPS | | WING-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 86.6755 | 130.786 | 50 | | .12691 | 65 | 1198 20786000 |
| CLAMPS | | WING-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 90.909 | 147.667 | 102 | | .080 | 63 | 1114 20788000 |
| CLAMPS | | WING-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 93.3333 | 156.945 | 50 | | .075 | 63 | 1114 20790000 |
| CLAMPS | | PIPE-TAIL-GTC-AUX-POWER-PLANT | AIR | 94.3618 | 153.275 | 50 | | .08478 | 63 | 1198 20792000 |
| CLAMPS | | DUCT-BLEED-AIR-SYSTEM-AIR-CONDITIONER | AIR | 94.526 | 142.632 | 100 | | .11637 | 65 | 1198 20794000 |
| CLAMPS | | DUCT-BLEED-AIR-SYSTEM | AIR | 202.265 | 375.19 | 48 | | .02472 | 65 | 1227 20796000 |
| CLAMPS | | DUCT-AIR-CONDITIONER-FLIGHT-DECK | AIR | 212.314 | 292.006 | 50 | | .08478 | 63 | 1198 20798000 |
| CLAMPS | | DUCT-AIR-CONDITIONER-FLIGHT-DECK | AIR | 240 | 330.084 | 50 | | .075 | 63 | 1114 20800000 |
| CLAMPS | | DUCT-BLEED-AIR-SYSTEM-AIR-CONDITIONER | AIR | 250 | 333.184 | 102 | | .080 | 63 | 1114 20802000 |
| CLAMPS | | DUCT-BLEED-AIR-SYSTEM-AIR-CONDITIONER | AIR | 252.167 | 319.46 | 50 | | .12691 | 65 | 1198 20804000 |

..00 N.B.C.

508 AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 361 HARDWARE | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS REF NO |
|-------------------------------|---|--------------|---------------------|-----------------|------------|------------|------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | | | | | |
| CLAMPS | WIRE, STATIC-GROUND, ELECTRICAL-SYSTEM MELT | AIR | 500 | 473,533 | 120 | .03 | 65 1215 20806000 |
| CLAMPS | WING-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 403.884 | 490,379 | 100 | .11637 | 65 1198 20808000 |
| CLAMPS | DUCT, PNEUMATIC-SYSTEM | AIR | 525.889 | 766,907 | 48 | .02372 | 65 1227 20810000 |
| CLAMPS | DUCT, AIR-CONDITIONER, CARGO-COMPT | AIR | 566.171 | 685,981 | 50 | .08478 | 65 1198 20812000 |
| CLAMPS | DUCT, AIR-CONDITIONER, CARGO-COMPT | AIR | 613.333 | 746,293 | 50 | .075 | 65 1114 20814000 |
| CLAMPS | WING-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 666.666 | 1027.11 | 68 | .015 | 65 1114 20816000 |
| CLAMPS | DUCT, BLEED-AIR-SYSTEM, AIR-CONDITIONER | AIR | 790.28 | 928.98 | 50 | .08478 | 65 1198 20818000 |
| CLAMPS | DUCT, BLEED-AIR-SYSTEM, AIR-CONDITIONER | AIR | 866.666 | 1021.36 | 30 | .075 | 65 1114 20820000 |
| CLAMPS | SUPPORT, LITTER/SEAT, CARGO-COMPARTMENT | AIR | * | .940874 | 4752 | 2.4473 | 65 1227 20822000 |
| CLAMPS, ATTACHING | OIL-TANK-SUMP-ENGINE | AIR | * | 4.94672 | 400 | .46548 | 65 1198 20824000 |
| CLAMPS, BAND | DUCT, AIR-CONDITIONING-SYSTEM | AIR | 72.9394 | 162.431 | 76 | .04113 | 65 1250 20826000 |
| CLAMPS, BAND | DUCT, AIR-CONDITIONING-SYSTEM | AIR | 202.265 | 375.19 | 48 | .02472 | 65 1227 20828000 |
| CLAMPS, COUPLING | DUCT, RAIN-REMOVAL-SYSTEM | AIR | * | 4.65736 | 960 | .4944 | 65 1227 20830000 |
| CLAMPS, COUPLING | DUCT, FLOOR-HEAT-SYSTEM | AIR | * | 93.1472 | 48 | .02472 | 65 1227 20832000 |
| CLAMPS, COUPLING | ELECTRONIC-COOLING-SYSTEM | AIR | * | 2.79917 | 1520 | .8226 | 65 1250 20834000 |
| CLAMPS, COUPLING | DUCT, RAIN-REMOVAL-SYSTEM | AIR | 1.21565 | 1.72854 | 1520 | .8226 | 65 1250 20836000 |
| CLAMPS, COUPLING | ELECTRONIC-COOLING-SYSTEM | AIR | 2.02265 | 7.86751 | 960 | .4944 | 65 1227 20838000 |
| CLAMPS, COUPLING | DUCT, FLOOR-HEAT-SYSTEM | AIR | 72.9394 | 162.431 | 76 | .04113 | 65 1250 20840000 |
| CLAMPS, DUCT | BLEED-AIR-SYSTEM | AIR | 364.697 | 517.685 | 76 | .04113 | 65 1250 20842000 |
| CLAMPS, DUCT | PNEUMATIC-SYSTEM | AIR | 1556.04 | 1836.19 | 76 | .04113 | 65 1250 20844000 |
| CLAMPS, SUPPORT | LITTER/SEAT, CARGO-COMPARTMENT | AIR | * | .565472 | 7524 | .4072 | 65 1250 20846000 |
| CLAMPS, HALF | TUBE-SUPPORT, FIRE-EXTINGUISHER-SYS | AIR | * | 2.47333 | 800 | .93097 | 65 1198 20848000 |
| CLEATS | STABILIZING-JACK-SYSTEM | AIR | * | 23.2868 | 192 | .09888 | 65 1227 20850000 |
| CLEATS | STABILIZING-JACK-SYSTEM | AIR | * | 13.9975 | 304 | .1645 | 65 1250 20852000 |
| COLLARS | DOOR-EMERGENCY, FORWARD-ESCAPE-HATCH | AIR | * | 55.9834 | 76 | .04113 | 65 1250 20854000 |
| COLLARS | DOOR-EMERGENCY, FORWARD-ESCAPE-HATCH | AIR | * | 93.1472 | 48 | .02472 | 65 1227 20856000 |
| COLLARS | WHEEL, MAIN-LANDING-GEAR | AIR | 8.68977 | 13.7163 | 1194 | 1.0357 | 67 1212 20858000 |
| COLLARS | WHEEL, MAIN-LANDING-GEAR | AIR | 8.7512 | 23.2882 | 946 | .22854 | 65 1228 20860000 |
| COLLARS | WHEEL, MAIN-LANDING-GEAR | AIR | 11.4077 | 30.3576 | 812 | .17532 | 64 1179 20862000 |
| COLLARS | WHEEL, MAIN-LANDING-GEAR | SIM RSL | * | 4344.52 | 1041 | .00053 | 65 1220 20864000 |
| COLLARS, BALL-LOCK | ENGINE-NACELLE, TURBOPROP | GRD | 10R | 26.615R | 14 | .28 | 64 1134 20866000 |
| COLLARS, BUFFER | ENGINE-NACELLE, TURBOPROP | AIR | * | 2.2679 | 400 | 1.0153 | 65 1198 20868000 |
| COLLARS, COUPLING-BAFFLE | ENGINE-NACELLE, TURBOPROP | AIR | * | 4.94672 | 400 | .56548 | 65 1198 20870000 |
| COLLARS, COUPLING-BAFFLE | ENGINE-NACELLE, TURBOPROP | AIR | 45.0751 | 58.3626 | 400 | .599 | 65 1114 20872000 |
| COLLARS, COUPLING-BAFFLE | ENGINE-NACELLE, TURBOPROP | AIR | 48.656 | 61.4156 | 400 | .67823 | 65 1198 20874000 |
| COLLARS, FIRE-SEAL | PYLON/WING | AIR | * | 13.9975 | 304 | .1645 | 65 1250 20876000 |
| COLLARS, FIRE-SEAL | PYLON/WING | AIR | * | 23.2868 | 192 | .09888 | 65 1227 20878000 |
| COLLARS, STEER | STRUT, LANDING-GEAR, NOSE | AIR | 61.2584 | 103.009 | 473 | .11427 | 65 1228 20880000 |
| COLLARS, STEER | STRUT, LANDING-GEAR, NOSE | AIR | 67.5819 | 84.7121 | 597 | .51789 | 67 1212 20882000 |
| COLLARS, STEER | STRUT, LANDING-GEAR, NOSE | AIR | 174.077 | 175.754 | 406 | .08766 | 64 1179 20884000 |
| COLLARS, STEERING CONNECTIONS | LANDING-GEAR, NOSE (CALENDAR) | AIR | * | 19.7868 | 100 | .11437 | 65 1198 20886000 |
| | | GRD | * | .000972 | | 2363.3 | 65 1204 20888000 |

.00 N.B.C.

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 361 HARDWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LATION | PART HOURS | YR | CROSS OF DATA INDEX RPT SRCE REF NO |
|--|--------------|------------------------|-------------|--------------|---------------------|-----------------|-------------|------------|----------|-------------------------------------|
| PART DESCRIPTION | | | | | | | | | | |
| .00 N.O.C. | | | | | | | | | | |
| CONNECTIONS | (OPERATING) | GRD | * | .016955 | | 133.52 | 65 | 1204 | 20890000 | |
| CONNECTIONS | (OPERATING) | GRD | * | .012819 | | 179.62 | 65 | 1204 | 20892000 | |
| CONNECTIONS | (CALENDAR) | GRD | * | .090635 | | 3628.4 | 65 | 1204 | 20894000 | |
| CONNECTIONS | (OPERATING) | GRD | * | .015557 | | 148.01 | 65 | 1204 | 20896000 | |
| CONNECTIONS | (OPERATING) | GRD | * | .095496 | | 24.112 | 65 | 1204 | 20898000 | |
| CONNECTIONS | (CALENDAR) | GRD | * | .093895 | | 591.11 | 65 | 1204 | 20900000 | |
| CONNECTIONS | | LAB | * | .1963 | 13158 | 11.73 | 65 | 1224 | 20902000 | |
| CONNECTIONS | | SAT | * | .221064 | 2218 | 10.416 | 66 | 1242 | 20904000 | |
| CONNECTIONS | | GRD | * | .000523 | | 4403.2 | 65 | 1204 | 20906000 | |
| CONNECTIONS | (CALENDAR) | LAB | * | .000165 | | 56121 | 65 | 1204 | 20908000 | |
| CONNECTIONS | (STORAGE) | LAB | * | .000126 | | 7940.2 | 65 | 1204 | 20910000 | |
| CONNECTIONS | (STORAGE) | LAB | * | .000261 | | 11485 | 65 | 1204 | 20912000 | |
| CONNECTIONS | (CALENDAR) | GRD | * | .000348 | | 2874 | 65 | 1214 | 20914000 | |
| CONNECTIONS | (CALENDAR) | LAB | * | .000367 | | 68106 | 65 | 1204 | 20916000 | |
| CONNECTIONS | (OPERATING) | LAB | * | .000998 | | 5010.6 | 65 | 1204 | 20918000 | |
| CONNECTIONS | COMPUTER | GRD | * | .003971 | | 52130 | 64 | 1147 | 20920000 | |
| CONNECTIONS | (OPERATING) | LAB | * | .004111 | | 6080.9 | 65 | 1204 | 20922000 | |
| CONNECTIONS | (OPERATING) | GRD | * | .006064 | | 164.91 | 65 | 1204 | 20924000 | |
| CONNECTIONS | | LAB | * | .01 | | 61 | 1071 | 20926000 | | |
| CONNECTIONS | | SIM AIR | * | .022124 | | 135.6 | 66 | 1251 | 20928000 | |
| CONNECTIONS | | AIR GND | * | .030023 | | 433 | 61 | 1081 | 20930000 | |
| INTER-BOX FIRE-CONTROL TO SS-BOMB SYSTEM | | | | | | | | | | |
| CONNECTIONS | | LAB | * | .043309 | | 163458 | 43974 | 23.09 | 66 | 1253 |
| CONNECTIONS | | MSL | * | .276344 | | .541075 | | 37.2 | 64 | 1147 |
| WELD-MODULES/RESISTANCE/CARDS | | | | | | | | | | |
| CONNECTIONS | BALL-BONDED | LAB | * | .95.3416 | 54 | .024 | 65 | 1118 | 20936000 | |
| CONNECTIONS | BONDCING | AIR | * | 3000 | 3658.53 | .015 | 63 | 1114 | 20938000 | |
| CONNECTIONS | BONDCING | AIR | * | 3998.58 | 4291.81 | .0478 | 63 | 1158 | 20940000 | |
| CONNECTIONS | BONDCING | AIR | * | 4520 | 4851.12 | .075 | 63 | 1114 | 20942000 | |
| CONNECTIONS | BONDCING | AIR | * | 6015.29 | 6317.34 | .11637 | 65 | 1198 | 20944000 | |
| CONNECTIONS | BONDCING | AIR | * | 9100.93 | 9453.14 | .12891 | 65 | 1198 | 20946000 | |
| CONNECTIONS | BONDCING | AIR | * | 15465.9 | 16017.7 | .088 | 63 | 1114 | 20948000 | |
| CONNECTIONS | CONDUCTIVE | LAB | * | .020073 | | 114.71 | 65 | 1204 | 20950000 | |
| CONNECTIONS | CONDUCTIVE | GRD | * | .090222 | | 28.703 | 65 | 1204 | 20952000 | |
| CONNECTIONS | CONDUCTIVE | GRD | * | .052371 | | 43.967 | 65 | 1204 | 20954000 | |
| CONNECTIONS | CONDUCTIVE | GRD | * | 1.28421 | | 1.703 | 65 | 1204 | 20956000 | |
| CONNECTIONS | CONDUCTIVE | GRD | * | 1.39805 | | 1.647 | 65 | 1204 | 20958000 | |
| CONNECTIONS | CONDUCTIVE | LAB | * | .00147 | | 680.19 | 65 | 1204 | 20960000 | |
| CONNECTIONS | CONDUCTIVE | LAB | * | .016466 | | 60.731 | 65 | 1204 | 20962000 | |

ROME AIR DEVELOPMENT CENTER, CALIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 361 HARDWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS REF NO |
|-----------------------------|----------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | | |
| .00 M.G.C. | | | | | | | | | |
| CONNECTIONS-CONDUCTIVE. | | | GRD | .03295 | .128166 | 340 | 30.349 | 63 | 1116 20944900 |
| CEMENT | | | | | | | | | |
| CONNECTIONS-CRIMP | (OPERATING) | | LAB | * | 2.27529 | | 1.012 | 65 | 1204 20946000 |
| CONNECTIONS-CRIMP | (OPERATING) | | GRD | * | 85.2814 | | .027 | 65 | 1204 20948000 |
| CONNECTIONS-CRIMP | (OPERATING) | | GRD | * | .07931 | | 29.033 | 65 | 1204 20970000 |
| CONNECTIONS-CRIMP | (CALENDAR) | | GRD | * | .096397 | | 23.862 | 65 | 1204 20972000 |
| CONNECTIONS-CRIMP | (CALENDAR) | | GRD | * | .033048 | | 69.675 | 65 | 1204 20974000 |
| CONNECTIONS-CRIMP | (CALENDAR) | | GRD | * | 4.81715 | | .578 | 65 | 1204 20976000 |
| CONNECTIONS-CRIMP | (OPERATING) | | GRD | * | 77.01 | | .0299 | 65 | 1204 20978000 |
| CONNECTIONS-CRIMP | (STORAGE) | | LAB | * | .008259 | | 218.8 | 65 | 1204 20980000 |
| CONNECTIONS-CRIMP | (STORAGE) | | LAB | * | 1.20491 | | 1.911 | 65 | 1204 20982000 |
| CONNECTIONS-CRIMP | (OPERATING) | | GRD | * | 1.50231 | | 1.842 | 65 | 1204 20984000 |
| CONNECTIONS-CRIMP | (CALENDAR) | | GRD | * | 3.14562 | | .732 | 65 | 1204 20986000 |
| CONNECTIONS-CRIMP | (CALENDAR) | | LAB | * | 191.883 | | .012 | 64 | 1147 20988000 |
| CONNECTIONS-CRIMP | (CALENDAR) | | GRD | * | .021542 | | 106.89 | 65 | 1204 20990000 |
| CONNECTIONS-CRIMP | (CALENDAR) | | LAB | * | .203123 | | 11.236 | 65 | 1204 20992000 |
| CONNECTIONS-CRIMP | (OPERATING) | | GRD | * | .575219 | | 4.903 | 65 | 1204 20994000 |
| CONNECTIONS-CRIMP | (OPERATING) | | GRD | * | .528118 | | 4.36 | 65 | 1204 20996000 |
| CONNECTIONS-CRIMP | (CALENDAR) | | GRD | * | .005083 | | 453.01 | 65 | 1204 20998000 |
| CONNECTIONS-CRIMP | (CALENDAR) | | LAB | .003629 | .00637 | | 1653.3 | 65 | 1204 21000000 |
| CONNECTIONS-CRIMP | COMPUTER | | GRD | .016086 | .028236 | | 373 | 64 | 1147 21002000 |
| CONNECTIONS-CRIMP | (OPERATING) | | LAB | .040648 | .071351 | | 147.61 | 65 | 1204 21004000 |
| CONNECTIONS-CRIMP | (OPERATING) | | GRD | * | .005755 | 4746 | 400.11 | 63 | 1116 21006000 |
| OTHER-ALLOYING | | | | | | | | | |
| CONNECTIONS-GOLD-EUTECTIC. | (OPERATING) | | GRD | * | .106052 | | 21.712 | 65 | 1204 21008000 |
| OTHER-ALLOYING | (CALENDAR) | | GRD | * | .006085 | | 378.41 | 65 | 1204 21010000 |
| CONNECTIONS-GOLD-EUTECTIC. | (CALENDAR) | | LAB | * | .000257 | | 8967.2 | 65 | 1204 21012000 |
| CONNECTIONS-GOLD-EUTECTIC. | (STORAGE) | | LAB | * | .001523 | | 1512.2 | 65 | 1204 21014000 |
| CONNECTIONS-GOLD-EUTECTIC. | (OPERATING) | | LAB | * | .002876 | | 800.64 | 65 | 1204 21016000 |
| OTHER-ALLOYING | (CALENDAR) | | AIR | .01 | | | | 61 | 1058 21018000 |
| CONNECTIONS-GOLD-EUTECTIC. | (OPERATING) | | MSL | .018293 | .040737 | | 164 | 64 | 1147 21020000 |
| WELD-VACUUM-TUBE | | | | | | | | | |
| CONNECTIONS-OVERALL | | | GRD | .001198 | .002668 | 29703 | 2504.1 | 63 | 1116 21022000 |
| CONNECTIONS-OVERALL | | | AIR GND | .07874 | .121312 | | 127 | 42 | 1087 21024000 |
| CONNECTIONS-RESISTANCE-WELD | | | GRD | .001866 | .004965 | | 1072 | 64 | 1147 21026000 |
| CONNECTIONS-SOLDER | (PER-JUNCTION) | | GRD | .015222 | .2238 | | 150.58 | 62 | 1116 21028000 |
| CONNECTIONS-SOLDER | (PER-JUNCTION) | | GRD | .067911 | .443 | | 33.996 | 63 | 1116 21030000 |
| CONNECTIONS-SOLDER | (PER-JUNCTION) | | GRD | .002444 | .4839 | | 407.92 | 63 | 1116 21032000 |
| CONNECTIONS-SOLDER | (PER-JUNCTION) | | GRD | .164719 | | | 13.979 | 64 | 1180 21034000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 3-1 HARDWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART LATION | PART HOURS | YK | CROSS |
|--------------------|--------------|------------------------|-------------|--------------|-------------|-------------|------------|----|----------------------------------|
| PART DESCRIPTION | | | | | | | | | OF DATA INDEX RPT SRCE REF NO |
| -00 N.O.C. | | | | | | | | | |
| CONNECTIONS-SOLDER | | (CALENDAR) | GRD | * | .067742 | | 32.93 | 65 | 1204 21034000 |
| CONNECTIONS-SOLDER | | (OPERATING) | GRD | * | .192064 | | 11.939 | 65 | 1204 21038000 |
| CONNECTIONS-SOLDER | | (OPERATING) | GRD | * | .959817 | | 2.399 | 65 | 1204 21040000 |
| CONNECTIONS-SOLDER | | (OPERATING) | GRD | * | 8.11574 | | .28372 | 64 | 1180 21042000 |
| CONNECTIONS-SOLDER | | (C-CALENDAR) | GRD | * | .076003 | | 30.296 | 65 | 1204 21044000 |
| CONNECTIONS-SOLDER | | (OPERATING) | GRD | * | .0031 | | 742.71 | 65 | 1204 21046000 |
| CONNECTIONS-SOLDER | | (OPERATING) | GRD | * | .053678 | | 51.356 | 65 | 1204 21048000 |
| CONNECTIONS-SOLDER | | (OPERATING) | GRD | * | .08278 | | 27.814 | 65 | 1204 21050000 |
| CONNECTIONS-SOLDER | | (CALENDAR) | GRD | * | .00475 | | 484.77 | 65 | 1204 21052000 |
| CONNECTIONS-SOLDER | | (OPERATING) | GRD | * | .104011 | | 22.138 | 65 | 1204 21054000 |
| CONNECTIONS-SOLDER | | (CALENDAR) | GRD | * | .005968 | | 385.82 | 65 | 1204 21056000 |
| CONNECTIONS-SOLDER | | (CALENDAR) | GRD | * | .014586 | | 157.86 | 65 | 1204 21058000 |
| CONNECTIONS-SOLDER | | (CALENDAR) | GRD | * | .003588 | | 353.28 | 65 | 1204 21060000 |
| CONNECTIONS-SOLDER | | (OPERATING) | GRD | * | .005698 | | 3300.2 | 65 | 1204 21062000 |
| CONNECTIONS-SOLDER | | (STORAGE) | LAB | * | .010766 | | 213.88 | 65 | 1204 21064000 |
| CONNECTIONS-SOLDER | | (CALENDAR) | LAB | * | .001189 | | 1937.3 | 65 | 1204 21066000 |
| CONNECTIONS-SOLDER | | (CALENDAR) | LAB | * | .000582 | | 9142.9 | 65 | 1204 21068000 |
| CONNECTIONS-SOLDER | | (STORAGE) | LAB | * | .000435 | | 11467 | 65 | 1204 21070000 |
| CONNECTIONS-SOLDER | | (OPERATING) | LAB | * | .002523 | | 1541.8 | 65 | 1204 21072000 |
| CONNECTIONS-SOLDER | | (OPERATING) | LAB | * | .00245 | | 816.33 | 65 | 1204 21074000 |
| CONNECTIONS-SOLDER | | (OPERATING) | LAB | * | .004 | | | 63 | 1138 21076000 |
| CONNECTIONS-SOLDER | | (OPERATING) | LAB | * | .004875 | | 1025.7 | 65 | 1204 21078000 |
| CONNECTIONS-SOLDER | | (OPERATING) | GRD | * | .005682 | | 17950 | 63 | 1147 21080000 |
| CONNECTIONS-SOLDER | | (OPERATING) | GRD | * | .007898 | | 5038.9 | 63 | 1116 21082000 |
| CONNECTIONS-SOLDER | | (PER-JUNCTION) | SMP | * | .008537 | | 1640 | 63 | 1147 21084000 |
| CONNECTIONS-SOLDER | | (PER-JUNCTION) | GRD | * | .009755 | | 512.57 | 63 | 1116 21086000 |
| CONNECTIONS-SOLDER | | (PER-JUNCTION) | GRD | * | .014286 | | 140 | 64 | 1147 21088000 |
| CONNECTIONS-SOLDER | | (PER-JUNCTION) | SIM AIR | * | .015615 | | 64.04 | 65 | 1199 21090000 |
| CONNECTIONS-SOLDER | | (PER-JUNCTION) | LIFE ACC | * | .034159 | | 2986 | 64 | 1147 21092000 |
| CONNECTIONS-SOLDER | | (PER-JUNCTION) | LIFE ACC | * | .102881 | | 9.72 | 64 | 1147 21094000 |
| CONNECTIONS-SOLDER | | (PER-JUNCTION) | LAB | * | .103846 | | 2.6575 | 64 | 1154 21096000 |
| CONNECTIONS-SOLDER | | (PER-JUNCTION) | GRD | * | .147336 | | 6.7872 | 64 | 1180 21098000 |
| CONNECTIONS-SOLDER | | (PER-JUNCTION) | LAB | * | .154305 | | 12.965 | 64 | 1180 21100000 |
| CONNECTIONS-SOLDER | | (PER-JUNCTION) | LIFE ACC | * | .271343 | | 1839 | 64 | 1147 21102000 |
| CONNECTIONS-SOLDER | | (PER-JUNCTION) | LAB | * | 83.3333 | | .024 | 65 | 1178 21104000 |
| CONNECTIONS-SOLDER | | (PER-JUNCTION) | GRD | * | .010856 | | 829 | 63 | 1112 21106000 |
| CONNECTIONS-SOLDER | | (OPERATING) | GRD | * | .119809 | | 19.219 | 65 | 1204 21108000 |
| CONNECTIONS-SOLDER | | (CALENDAR) | GRD | * | .006874 | | 334.95 | 65 | 1204 21110000 |
| CONNECTIONS-SOLDER | | (OPERATING) | GRD | * | .109999 | | 20.933 | 65 | 1204 21112000 |
| CONNECTIONS-SOLDER | | (CALENDAR) | GRD | * | .004487 | | 513.18 | 63 | 1204 21114000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 361 HARDWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | TR | CRSS2 |
|--------------------|----------------|------------------------|-------------|--------------|---------------------|-----------------|------------|----------|-------------------------------|
| PART DESCRIPTION | | | | | | | | | MF DATA INDEX RPT SRCO REF NO |
| .00 N.O.C. | | | | | | | | | |
| CONNECTIONS-WELDED | (OPERATING) | GRD | * | .081152 | 25,374 | 65 | 1204 | 21172000 | |
| CONNECTIONS-WELDED | (OPERATING) | GRD | * | .320161 | 7,192 | 65 | 1204 | 21174000 | |
| CONNECTIONS-WELDED | (OPERATING) | GRD | * | .017997 | 127.94 | 65 | 1204 | 21175000 | |
| CONNECTIONS-WELDED | (CALENDAR) | SAT | * | .023543 | 22529 | 97.895 | 66 | 1242 | 21176000 |
| CONNECTIONS-WELDED | (OPERATING) | GRD | * | .000734 | 3136.4 | 65 | 1204 | 21180000 | |
| CONNECTIONS-WELDED | (OPERATING) | GRD | * | .074508 | 30.904 | 65 | 1204 | 21182000 | |
| CONNECTIONS-WELDED | (OPERATING) | GRD | * | .018109 | 127.15 | 65 | 1204 | 21184000 | |
| CONNECTIONS-WELDED | (CALENDAR) | GRD | * | .001161 | 1983.9 | 65 | 1204 | 21186000 | |
| CONNECTIONS-WELDED | (CALENDAR) | GRD | * | .022032 | 104.51 | 65 | 1204 | 21188000 | |
| CONNECTIONS-WELDED | (PER-JUNCTION) | GRD | * | .022032 | 1362 | 104.25 | 63 | 1116 | 21190000 |
| CONNECTIONS-WELDED | (CALENDAR) | GRD | * | .003039 | 757.61 | 65 | 1204 | 21192000 | |
| CONNECTIONS-WELDED | (CALENDAR) | LAB | .000171 | .002454 | 117.8 | 65 | 1204 | 21194000 | |
| CONNECTIONS-WELDED | (CALENDAR) | LAB | .000247 | .000367 | 49511 | 65 | 1204 | 21196000 | |
| CONNECTIONS-WELDED | (CALENDAR) | GRD | .000257 | .000572 | 11679 | 65 | 1204 | 21198000 | |
| CONNECTIONS-WELDED | (PER-JUNCTION) | GRD | .000295 | .001146 | 25675 | 3392.4 | 63 | 1116 | 21200000 |
| CONNECTIONS-WELDED | (STORAGE) | LAB | .000367 | .000817 | 8180.8 | 65 | 1204 | 21202000 | |
| CONNECTIONS-WELDED | (STORAGE) | LAB | .000367 | .000817 | 8180.8 | 65 | 1204 | 21204000 | |
| CONNECTIONS-WELDED | (CALENDAR) | GRD | .000488 | .0019 | 2047.1 | 65 | 1204 | 21206000 | |
| CONNECTIONS-WELDED | (OPERATING) | LAB | .0006 | .000878 | .002335 | 2279 | 63 | 1138 | 21208000 |
| CONNECTIONS-WELDED | (PER-JUNCTION) | AIR GND | .001 | .001087 | .002893 | 1839.4 | 63 | 1096 | 21210000 |
| CONNECTIONS-WELDED | (CALENDAR) | LAB | .00179 | .006963 | 354.65 | 65 | 1204 | 21212000 | |
| CONNECTIONS-WELDED | (OPERATING) | GRD | .001911 | .005087 | 1044.3 | 65 | 1204 | 21214000 | |
| CONNECTIONS-WELDED | (OPERATING) | LAB | .002771 | .004105 | 4331.3 | 65 | 1204 | 21216000 | |
| CONNECTIONS-WELDED | (PER-JUNCTION) | GRD | .003825 | .010179 | 6202 | 522.86 | 63 | 1116 | 21218000 |
| CONNECTIONS-WELDED | (OPERATING) | GRD | .003964 | .008827 | 756.89 | 65 | 1204 | 21220000 | |
| CONNECTIONS-WELDED | (PER-JUNCTION) | GRD | .005002 | .007668 | 25675 | 2164.5 | 63 | 1116 | 21222000 |
| CONNECTIONS-WELDED | (PER-JUNCTION) | GRD | .00563 | .012337 | 7920 | 532.9 | 63 | 1116 | 21224000 |
| CONNECTIONS-WELDED | (OPERATING) | GRD | .008514 | .033115 | 117.46 | 65 | 1204 | 21226000 | |
| CONNECTIONS-WELDED | (OPERATING) | GRD | .023667 | .092057 | 42.233 | 65 | 1204 | 21228000 | |
| CONNECTIONS-WELDED | (OPERATING) | GRD | .21357 | 1.24998 | 3,1118 | 64 | 1180 | 21230000 | |
| CASE-SEAL | (OPERATING) | GRD | * | .864989 | 2,667 | 65 | 1204 | 21232000 | |
| CASE-SEAL | (STORAGE) | LAB | * | .012417 | 185.44 | 65 | 1204 | 21234000 | |
| CASE-SEAL | (OPERATING) | LAB | * | .023452 | 98,182 | 65 | 1204 | 21236000 | |
| CASE-SEAL | (OPERATING) | GRD | * | .793945 | 2,9902 | 65 | 1204 | 21238000 | |
| CASE-SEAL | (PER-JUNCTION) | GRD | * | .04993 | 582 | 49,045 | 63 | 1116 | 21240000 |
| CASE-SEAL | (CALENDAR) | GRD | * | .049621 | 16,494 | 65 | 1204 | 21242000 | |
| CASE-SEAL | (CALENDAR) | GRD | * | .022388 | 71,094 | 65 | 1204 | 21244000 | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 3-1 MAKEWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|-----------------------|--------------|---|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | RPT SRC | REF NO |
| CONNECTIONS-NEEDED. | | (CALENDAR) | LAB | * | -002094 | | 1099.7 | 65 | 1204 21250000 |
| CASE-SEAL | | COMPUTER | PSL | * | -046052 | | 50 | 64 | 1147 21252000 |
| CONNECTIONS-WIRE-WRAP | | | GRD | * | -000014 | | 270455 | 64 | 1147 21254000 |
| CONNECTIONS-WIRE-WRAP | | | LIFE ACC | * | 4.53216 | | 6.84 | 64 | 1147 21256000 |
| CONNECTIONS-WIRE-WRAP | | | AIR | * | 3851.26 | | .01506 | 62 | 2700 21258000 |
| CONNECTIONS-WIRE-WRAP | | | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 21260000 |
| EYES-ADJUST | | AILERON-TRIP-TAB | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 21262000 |
| GUIDES | | CABLE-WINCH-CARGO-COMPARTMENT | AIR | * | 23.2866 | 192 | .09888 | 65 | 1227 21264000 |
| GUIDES | | HINGE-FITTING-THRUST-REVERSER-SYSTEM | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 21266000 |
| GUIDES | | CABLE-IB-INT-SUPPORT-AIR-DROP-SYSTEM | AIR | * | .47747 | 1900 | 4.8225 | 65 | 1198 21268000 |
| GUIDES | | PUSH-ROD-ASSEMBLY-AILERON-CONTROL | AIR | * | 11.6434 | 384 | .19776 | 65 | 1227 21270000 |
| GUIDES | | SPRING-DOOR-MECH-PERSONNEL-CARGO-COMPARTMENT | AIR | * | | | | | |
| GUIDES | | DOOR-EMERGENCY-FORWARD-ESCAPE-HATCH | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 21272000 |
| GUIDES | | FUSE-ROD-ASSEMBLY-AILERON-CONTROL | AIR | * | .706466 | 2800 | 3.2504 | 65 | 1198 21274000 |
| GUIDES | | DOOR-EMERGENCY-FORWARD-ESCAPE-HATCH | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 21276000 |
| GUIDES | | HINGE-FITTING-THRUST-REVERSER-SYSTEM | AIR | * | 1.65206 | 1900 | 3.2216 | 63 | 1198 21280000 |
| GUIDES | | PUSH-ROD-ASSEMBLY-AILERON-CONTROL | AIR | * | .702494 | 19 | 2.047 | 63 | 1114 21282000 |
| GUIDES | | CABLE-AND-WIRE-WINGFIELD-POINT | AIR | * | 160.991 | 7 | .03761 | 63 | 1123 21284000 |
| GUIDES | | MANIFOLD-CHECK-LOADER-20MM-GUN | GRD | * | 338.3648 | 152 | .08226 | 66 | 1250 21286000 |
| GUIDES | | OP-INT-SUPPORT-AIR-LRGP-SYSTEM | AIR | * | 27.9917 | 76 | .04113 | 66 | 1250 21290000 |
| GUIDES | | WINCH-CARGO-COMPARTMENT | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 21292000 |
| GUIDES | | 18-INT-SUPPORT-AIR-DROP-SYSTEM | GRD | * | 33.4048 | 14 | .2R | 64 | 1134 21294000 |
| GUIDES | | LEADER-20MM-GUN | GRD | * | 46.3735R | 4 | .2R | 64 | 1134 21296000 |
| GUIDES | | WING-SPOILER-SYSTEM | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 21298000 |
| GUIDES | | WING-SPOILER-SYSTEM | AIR | * | 94.5708 | 76 | .04113 | 66 | 1250 21300000 |
| GUIDES | | DOOR-MECHANICAL-PERSONNEL-CARGO-COMPARTMENT | AIR | * | 6.99878 | 608 | .329 | 66 | 1250 21302000 |
| HINGES | | RUDDER-ASSEMBLY | AIR | * | 6.78992 | 200 | .33912 | 63 | 1198 21304000 |
| HINGES | | SERVO-TAB-AILERON-CONTROL-SYSTEM | AIR | * | 9.31472 | 480 | .2472 | 65 | 1227 21306000 |
| HINGES | | DOOR-MAIN-LANDING-GEAR-OUTBOARD | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 21308000 |
| HINGES | | DOOR-MAIN-LANDING-GEAR-INBOARD | AIR | * | 9.07178 | 100 | .25352 | 65 | 1198 21310000 |
| HINGES | | STABILIZER-VERTICAL-FUSELAGE | AIR | * | 20.1505 | 473 | .11427 | 65 | 1228 21312000 |
| HINGES | | DOOR-HYDRAULIC-PRESSURE | AIR | * | 5.39834 | 760 | .4113 | 66 | 1250 21314000 |
| HINGES | | LEADING-EDGE-DROP/WING | AIR | * | 23.1719 | 96 | .09937 | 63 | 1123 21316000 |
| HINGES | | DOOR-HYDRAULIC-CARGO-RAMP | AIR | * | 46.5736 | 1216 | .04944 | 65 | 1227 21318000 |
| HINGES | | DOOR-MAIN-LANDING-GEAR-INBOARD | AIR | * | 3.49886 | 48 | .6581 | 66 | 1250 21320000 |
| HINGES | | RUDDER-FLIGHT-CONTROL | AIR | * | 93.1472 | 100 | .02472 | 65 | 1227 21322000 |
| HINGES | | DOOR-MAIN-LANDING-GEAR-OUTBOARD | AIR | * | 9.07178 | 100 | .25352 | 65 | 1198 21324000 |
| HINGES | | DOOR-EMERGENCY-AFT-ESCAPE-HATCH-CARGO-COMPARTMENT | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 21326000 |
| HINGES | | DOOR-MAIN-LANDING-GEAR-INBOARD | AIR | * | 9.89344 | 200 | .23274 | 65 | 1198 21328000 |
| HINGES | | AILERON-SYSTEM-FLIGHT-CONTROL | AIR | * | 5.17484 | 864 | .44496 | 65 | 1227 21330000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 361 HARDWARE | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR CF DATA PPT SRCE REF NO | CROSS INDEX |
|------------|--------------|---|------------------------|-------------|--------------|---------------------------|--------------------|---------------|----------------------------------|----------------|
| HINGES | | DOOR-EMERGENCY-AFT-ESCAPE-HATCH, CARGO-COMPARTMENT | | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 21332000 |
| HINGES | | RUDDER-TRIP-TAB-ASSEMBLY | | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 21334000 |
| HINGES | | DOOR-ELECTRIC-AIR-SPOILER-PARATROOP | | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 21336000 |
| HINGES | | DOOR-EMERGENCY-FORWARD-ESCAPE-HATCH | | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 21338000 |
| HINGES | | CONTROL-PIR-AILERON-FLIGHT-CONTROL | | AIR | * | 9.89344 | 200 | .23274 | 65 | 1198 21340000 |
| HINGES | | SERVOTAB-AILERON-CONTROL-SYSTEM | | AIR | * | 5.59834 | 760 | .4113 | 66 | 1250 21342000 |
| HINGES | | PIVOT-POINT-EMERGENCY-GENERATOR-DOOR | | AIR | * | 46.3393 | | .04969 | 63 | 1123 21344000 |
| HINGES | | DOOR-MECHANICAL-FSI398 | | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 21346000 |
| HINGES | | LEADING-EDGE-WING-OUTER | | AIR | * | 23.3333 | 5600 | .5168 | 65 | 1198 21348000 |
| HINGES | | DOOR-MAIN-LANDING-GEAR-OUTBOARD | | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 21350000 |
| HINGES | | DOOR-MECHANICAL-CREW | | AIR | * | 9.89344 | 200 | .23274 | 65 | 1198 21352000 |
| HINGES | | OUTER-PANEL-DROOP-WING | | AIR | * | 11.5859 | | .19874 | 63 | 1123 21354000 |
| HINGES | | ELEVATOR-FLIGHT-CONTROL | | AIR | * | 7.76227 | 576 | .29664 | 65 | 1227 21356000 |
| HINGES | | DOOR-HYDRAULIC-PRESSURE | | AIR | * | 9.31472 | 480 | .2472 | 65 | 1227 21358000 |
| HINGES | | WING-TRAILING-EDGE-AILERON-FLIGHT- CONTROL | | AIR | * | 1.64883 | 1200 | 1.3965 | 65 | 1198 21360000 |
| HINGES | | DOOR-HYDRAULIC-PETAL | | AIR | * | 15.5245 | 288 | .14832 | 65 | 1227 21362000 |
| HINGES | | RUDDER-FLIGHT-CONTROL | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 21364000 |
| HINGES | | ELEVATOR-FLIGHT-CONTROL | | AIR | * | 4.66491 | 912 | .4936 | 66 | 1250 21366000 |
| HINGES | | DOOR-ELECTRIC-AIR-SPOILER-PARATROOP | | AIR | * | 12.9975 | 304 | .1645 | 66 | 1250 21368000 |
| HINGES | | ACSECCONE/FUSELAGE | | AIR | * | 24.6663 | | .09335 | 63 | 1123 21370000 |
| HINGES | | DOOR-EMERGENCY-FORWARD-ESCAPE-HATCH | | AIR | * | 27.9917 | 152 | .08226 | 65 | 1250 21372000 |
| HINGES | | DOOR-MECHANICAL-FSI398 | | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 21374000 |
| HINGES | | LEADING-EDGE-WING-OUTER | | AIR | * | 35.3333 | 5600 | .5168 | 65 | 1198 21376000 |
| HINGES | | RUDDER-ASSEMBLY | | AIR | * | 4.94672 | 400 | .46548 | 65 | 1198 21378000 |
| HINGES | | AILERON-SYSTEM-FLIGHT-CONTROL | | AIR | * | 2.95091 | 1368 | .7803 | 66 | 1250 21380000 |
| HINGES | | DOOR-MAIN-LANDING-GEAR-OUTBOARD | | AIR | * | 9.89344 | 200 | .23274 | 65 | 1198 21382000 |
| HINGES | | DOOR-EMERGENCY-FORWARD-ESCAPE-HATCH, CARGO-COMPARTMENT | | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 21384000 |
| HINGES | | LEADING-EDGE-WING-CENTER | | AIR | * | 9.89344 | 200 | .23274 | 65 | 1198 21386000 |
| HINGES | | WING-TRAILING-EDGE-ACTUATOR-FLIGHT- CONTROL | | AIR | * | 1.64883 | 1200 | 1.3965 | 65 | 1198 21388000 |
| HINGES | | DOOR-COWL-ENGINE-MACELLE | | AIR | 1.01317 | 3.54093 | 1824 | .987 | 66 | 1250 21390000 |
| HINGES | | DOOR-COWL-ENGINE-MACELLE | | AIR | 1.68354 | 6.55626 | 1152 | .59328 | 65 | 1227 21392000 |
| HINGES | | RUDDER-ASSEMBLY | | AIR | 1.96993 | 7.66247 | 200 | .50763 | 65 | 1198 21394000 |
| HINGES | | WING-SPOILER-SYSTEM | | AIR | 2.02565 | 4.511 | 2736 | 1.481 | 66 | 1250 21396000 |
| HINGES | | RUDDER-ASSEMBLY | | AIR | 2.83286 | 11.0189 | 408 | .353 | 63 | 1114 21398000 |
| HINGES | | AILERON-SYSTEM-FLIGHT-CONTROL | | AIR | 2.85192 | 11.0531 | 1624 | .35064 | 64 | 1179 21400000 |
| HINGES | | WING-SPOILER-SYSTEM | | AIR | 3.37109 | 7.50719 | 1728 | .88992 | 65 | 1227 21402000 |
| HINGES | | RAMP (P-MILES) | | GRO | 4.05186H | 15.7605M | 60 | .2468M | 66 | 1255 21404000 |
| HINGES | | DOOR-HYDRAULIC-PETAL | | AIR | 4.05186 | 15.7605 | 456 | .2468 | 66 | 1250 21406000 |
| HINGES | | WINGFOLD-FLIGHT-CONTROL-SYSTEM | | AIR | 4.63027 | 12.3218 | 252 | .43194 | 64 | 1155 21408000 |
| HINGES | | DOOR-MAIN-LANDING-GEAR-OUTBOARD | | AIR | 5.89773 | 13.1336 | 300 | .50867 | 63 | 1198 21410000 |
| HINGES | | DOOR-MAIN-LANDING-GEAR-OUTBOARD | | AIR | 6.66666 | 14.8462 | 300 | .45 | 63 | 1114 21412000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 361 HARDWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA RPT SRCE REF NO | CROSS INDEX |
|------------------|--------------|-------------------------------------|-------------|--------------|---------------------|-----------------|------------|----------------------------|---------------|
| PART DESCRIPTION | | | | | | | | | |
| .00 N.B.C. | | | | | | | | | |
| HINGES | | DOOR-ELECTRIC-CONVERGENT-CAMERA | AIR | 6.7014 | 26.1033 | 100 | .149 | 63 | 1114 21414000 |
| HINGES | | SPLID-BRAKE-ASSEMBLY-FLIGHT-CONTROL | AIR | 7.24113 | 10.2787 | 2388 | 2.0715 | 67 | 1272 21416000 |
| HINGES | | FUSELAGE-CENTER-SECTION | AIR | 8.7512 | 34.0395 | 473 | .11427 | 65 | 1228 21418000 |
| HINGES | | DOOR-MAIN-LANDING-GEAR | AIR | 8.7512 | 23.2882 | 946 | .22854 | 65 | 1228 21420000 |
| HINGES | | DOOR-FUSELAGE-NOSE-SECTION | AIR | 8.7512 | 23.2882 | 946 | .22854 | 65 | 1228 21422000 |
| HINGES | | DOOR-MAIN-LANDING-GEAR-IMBOARD | AIR | 10.1132 | 20.2102 | 788 | .39552 | 65 | 1227 21424000 |
| HINGES | | DOOR-NOSE-LANDING-GEAR | AIR | 11.4077 | 44.3725 | 406 | .08766 | 64 | 1179 21426000 |
| HINGES | | FUSELAGE-CENTER-SECTION | AIR | 11.4077 | 44.3725 | 406 | .08766 | 64 | 1179 21428000 |
| HINGES | | FUSELAGE-CENTER-SECTION | AIR | 11.5854 | 20.3365 | 597 | .51789 | 67 | 1272 21430000 |
| HINGES | | DOOR-MAIN-LANDING-GEAR-IMBOARD | AIR | 11.7952 | 31.3888 | 100 | .16956 | 63 | 1198 21432000 |
| HINGES | | DOOR-HYDRAULIC-FORWARD-CARGO | AIR | 11.1194 | 26.321 | 100 | .25382 | 65 | 1198 21434000 |
| HINGES | | DOOR-HYDRAULIC-CARGO-RAMP | AIR | 12.1565 | 47.2854 | 152 | .08226 | 66 | 1238 21436000 |
| HINGES | | DOOR-RAM-AIR-TURBINE | AIR | 14.2857 | 55.5671 | 640 | .07 | 61 | 1080 21438000 |
| HINGES | | ELEVATOR-TRIM-TAB-ASSEMBLY | AIR | 16.7224 | 31.219 | 200 | .299 | 63 | 1114 21440000 |
| HINGES | | DOOR-FUSELAGE-NOSE-SECTION | AIR | 17.1113 | 38.1063 | 812 | .17532 | 64 | 1179 21442000 |
| HINGES | | ELEVATOR-TRIM-TAB-ASSEMBLY | AIR | 17.1865 | 34.3454 | 200 | .23274 | 65 | 1198 21444000 |
| HINGES | | ELEVATOR-TRIM-TAB-ASSEMBLY | AIR | 20.6416 | 34.7101 | 200 | .33912 | 63 | 1198 21446000 |
| HINGES | | SPEED-BRAKE-ASSEMBLY-FLIGHT-CONTROL | AIR | 21.878 | 33.7066 | 1892 | .45708 | 65 | 1228 21448000 |
| HINGES | | RUDDER-TRIM-TAB-ASSEMBLY | AIR | 23.5904 | 62.7777 | 50 | .08478 | 63 | 1198 21450000 |
| HINGES | | DOOR-MAIN-LANDING-GEAR | AIR | 24.1382 | 31.5836 | 1194 | 1.0357 | 67 | 1272 21452000 |
| HINGES | | DOOR-HYDRAULIC-FORWARD-CARGO | AIR | 25.0815 | 97.5595 | 200 | .03987 | 65 | 1198 21454000 |
| HINGES | | DOOR-MECHANICAL-CREW | AIR | 29.488 | 54.6986 | 100 | .16956 | 63 | 1198 21456000 |
| HINGES | | DOOR-MECHANICAL-CREW | AIR | 33.557 | 62.2463 | 100 | .149 | 63 | 1114 21458000 |
| HINGES | | DOOR-HYDRAULIC-FORWARD-CARGO | AIR | 40.2684 | 70.8852 | 100 | .149 | 63 | 1114 21460000 |
| HINGES | | DOOR-HYDRAULIC-FORWARD-CARGO | AIR | 41.2833 | 69.4202 | 100 | .16956 | 63 | 1198 21462000 |
| HINGES | | DOOR-NOSE-LANDING-GEAR | AIR | 43.756 | 81.1647 | 473 | .11427 | 65 | 1228 21464000 |
| HINGES | | DOOR-MECHANICAL-CREW | AIR | 45.4545 | 73.8335 | 204 | .176 | 63 | 1114 21466000 |
| HINGES | | DOOR-MAIN-LANDING-GEAR | AIR | 45.6308 | 74.1198 | 812 | .17532 | 64 | 1179 21468000 |
| HINGES | | DOOR-MECHANICAL-CREW | AIR | 47.2775 | 70.0557 | 100 | .25382 | 65 | 1198 21470000 |
| HINGES | | DOOR-ELECTRIC-CONVERGENT-CAMERA | AIR | 47.8697 | 106.159 | 100 | .02089 | 63 | 1198 21472000 |
| HINGES | | RUDDER-TRIM-TAB-ASSEMBLY | AIR | 78.7959 | 121.398 | 50 | .12691 | 65 | 1198 21474000 |
| HINGES | | DOOR-FUSELAGE-NOSE-SECTION | AIR | 95.5875 | 109.115 | 1194 | 1.0357 | 67 | 1272 21476000 |
| HINGES | | DOOR-NOSE-LANDING-GEAR | AIR | 98.4765 | 118.613 | 597 | .51789 | 67 | 1272 21478000 |
| HINGES | | ELEVATOR-TRIM-TAB-ASSEMBLY | AIR | 98.4949 | 128.675 | 100 | .25382 | 65 | 1198 21480000 |
| HINGES | | ELEVATOR-TRIM-TAB-ASSEMBLY | AIR | 147.727 | 192.252 | 204 | .176 | 63 | 1114 21482000 |
| HINGES | | DOOR-EMERGENCY-FWD-ESCAPE-MATCH. | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 21484000 |
| HINGES | | CARGO-COMPARTMENT | | * | | | | | |
| HINGES | | RUDDER-FLIGHT-CONTROL-SYSTEM | AIR | * | 10.0752 | 946 | .22854 | 65 | 1228 21486000 |
| HINGES | | RUDDER-FLIGHT-CONTROL-SYSTEM | AIR | 1.93106 | 5.13824 | 1194 | 1.0357 | 67 | 1272 21488000 |
| HINGES | | AILERON-SYSTEM-FLIGHT-CONTROL | AIR | 4.3756 | 11.6441 | 1892 | .45708 | 65 | 1228 21490000 |
| HINGES | | AILERON-SYSTEM-FLIGHT-CONTROL | AIR | 7.72387 | 10.8383 | 2388 | 2.0715 | 67 | 1272 21492000 |
| HINGES | | WING-FLAP-ASSEMBLY | AIR | 10.939 | 20.2911 | 1892 | .45708 | 65 | 1228 21494000 |
| HINGES | | WING-FLAP-FLIGHT-CONTROL | AIR | 43.9295 | 50.44 | 2388 | 2.0715 | 67 | 1272 21496000 |
| HINGES | | TAIL-CONE-FUSELAGE-AFT | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 21498000 |
| HINGES | | LEADING-WING-EDGE-DROOP | AIR | * | 24.6663 | | .09335 | 63 | 1123 21500000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1969

| PART CLASS | 361 MARKWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER SC CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA RPT SRCE REF NO | CROSS INDEX |
|----------------------------------|--------------|--|-------------|--------------|---------------------|-----------------|------------|----------------------------|---------------|
| PART DESCRIPTION | | | | | | | | | |
| .01 N.O.C. | | | | | | | | | |
| HINGES-HALF | | TAB-RODDER-ASSEMBLY | AIR | * | 15.7868 | 100 | .11637 | 65 | 1198 21502000 |
| HINGES-HALF | | TAIL-CONE-FUSELAGE-AFT | AIR | * | 23.2868 | 196 | .09888 | 65 | 1227 21504000 |
| HINGES-HALF | | CLOSING-MIB-WING-CENTER-SECTION | AIR | * | 11.5859 | | .19874 | 63 | 1123 21506000 |
| HINGES-PIANO | | FLAP-FLIGHT-CONTROL-SYSTEM | AIR | * | 4.63027 | 126 | .21597 | 64 | 1155 21508000 |
| HINGES-PIANO | | WINDSHIELD-STUDENT | AIR | 8.7512 | 34.0355 | 473 | .11427 | 65 | 1228 21510000 |
| HINGES-PIANO | | AILERON-FLIGHT-CONTROL-SYSTEM | AIR | 5.26054 | 24.6437 | 126 | .21597 | 64 | 1155 21512000 |
| HINGES-PIANO | | ELEVATOR-FLIGHT-CONTROL-SYSTEM | AIR | 13.8908 | 24.3832 | 252 | .43194 | 64 | 1155 21514000 |
| HINGES-PIANO | | WINDSHIELD-STUDENT | AIR | 30.8945 | 43.352 | 597 | .51789 | 67 | 1272 21516000 |
| HINGES-PIANO | | RUDDER-FLIGHT-CONTROL-SYSTEM | AIR | 34.727 | 44.2948 | 252 | .43194 | 64 | 1155 21518000 |
| HOOKS | | CANOPY-RELEASE | AIR | * | 11.5859 | | .19874 | 63 | 1123 21520000 |
| HOOKS | | TAKEOFF-ASSIST-SYSTEM | AIR | * | 2.2679 | 400 | .09937 | 63 | 1198 21522000 |
| HOOKS | | LANDING-GEAR-MAIN | AIR | * | 23.1719 | | .67823 | 63 | 1123 21524000 |
| HOOKS | | TAKEOFF-ASSIST-SYSTEM | AIR | * | 3.39571 | 400 | .17767 | 63 | 1198 21526000 |
| HOOKS | | DOWNLOCK-COOR-HYDRAULIC-AFT-CARGO | AIR | * | 1.29599 | 700 | .056 | 65 | 1198 21528000 |
| HOOKS | | CANOPY-LATCHING | AIR | * | 41.1178 | 240 | .93097 | 61 | 1080 21530000 |
| HOOKS | | HOCKET-MOUNT-TAKEOFF-ASSIST-SYSTEM | AIR | 1.7414 | 4.17811 | 600 | .23274 | 65 | 1198 21532000 |
| HOOKS | | MICROPHONE/HEADSET-INTERCOM-AN/AIC-18A | AIR | 4.29664 | 16.7126 | 200 | | 65 | 1198 21534000 |
| HOOKS | | DOWNLOCK-COOR-HYDRAULIC-AFT-CARGO | AIR | 10.1103 | 14.9815 | 700 | 1.1869 | 63 | 1198 21536000 |
| HOOKS | | DOWNLOCK-DECR-HYDRAULIC-AFT-CARGO | AIR | 11.4394 | 16.9509 | 700 | 1.049 | 61 | 1114 21538000 |
| HOOKS | | UPLOCK-LANDING-GEAR-MAIN | AIR | 17.1115 | 33.1063 | 812 | .17532 | 64 | 1179 21540000 |
| HOOKS | | LOCK-CANOPY-INSTRUCTOR | AIR | 15.3106 | 26.1128 | 1194 | 1.0357 | 67 | 1272 21542000 |
| HOOKS | | UPLOCK-LANDING-GEAR-MAIN | AIR | 23.1716 | 28.075 | 2388 | 2.0715 | 67 | 1272 21544000 |
| HOOKS | | LOCK-CANOPY-STUDENT | AIR | 26.2536 | 46.0642 | 946 | .22854 | 65 | 1228 21546000 |
| HOOKS | | LOCK-CANOPY-STUDENT | AIR | 76.573 | 95.9822 | 1892 | .45708 | 65 | 1228 21548000 |
| HOOKS | | LOCK-CANOPY-STUDENT | AIR | 85.4453 | 94.2785 | 2368 | 2.0715 | 67 | 1272 21550000 |
| HOOKS | | LOCK-CANOPY-INSTRUCTOR | AIR | 96.9655 | 121.958 | 1624 | .35064 | 64 | 1179 21552000 |
| HOOKS | | LOCK-CANOPY-INSTRUCTOR | AIR | 119.78 | 147.126 | 1524 | .35064 | 64 | 1179 21554000 |
| HOOKS | | LOCK-CANOPY-INSTRUCTOR | AIR | 143.374 | 154.634 | 2388 | 2.0715 | 67 | 1272 21556000 |
| HOOKS | | ARRESTING-GEAR-LINKAGE | AIR | 163.608 | 235.222 | | .78557 | 63 | 1123 21558000 |
| HOOKS | | ARRESTING-HOOK-SYSTEM | AIR | 907.575 | 1036.72 | 63 | .10799 | 65 | 1155 21560000 |
| HOOKS | | BASIC-ENGINE | AIR | 1.947 | 7.57325 | 528 | .51361 | 65 | 1201 21562000 |
| HOOKS-BOLT | | STEERING-RUDDER-PEDAL | HELI | 78.9265 | 307 | 40 | .01267 | 66 | 1257 21564000 |
| HOOKS-CARGO | | STEERING-RUDDER-PEDAL | HELI | 462.427 | 648.89 | 40 | .0346 | 66 | 1257 21566000 |
| HOOKS-CARGO | | FLAP-FRICTION-LOCK-STABILIZER-HORIZ | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 21568000 |
| INTERCONNECTS | | AILERON/RUDDER | AIR | 35.0048 | 65.2531 | 473 | .02472 | 65 | 1227 21570000 |
| INTERCONNECTS | | AILERON/RUDDER | AIR | 854.844 | 1025.65 | | .11427 | 65 | 1228 21572000 |
| INTERCONNECTS | | STABILIZER-HORIZONTAL | AIR | 854.844 | 1025.65 | | .05966 | 63 | 1188 21574000 |
| INTERCONNECTS-FLAP-FRICTION-LOCK | | | AIR | 11.5854 | 20.3365 | 597 | .05966 | 64 | 1241 21576000 |
| JACKSCREWS-RETRACTION | | | AIR | | | | .51799 | 67 | 1272 21578000 |
| JACKSCREWS | | | AIR | .IP | | | | 65 | 2590 21580000 |
| JACKSCREWS | | | AIR | .3P | | | | 65 | 2590 21582000 |
| JACKSCREWS-ACTIVATOR | | | AIR | * | | | | 65 | 2590 21584000 |
| | | WING-FLAP-SYSTEM | | | 6.99878 | 608 | .329 | 66 | 1250 21586000 |

RYNE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

MELELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 301 HARDWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA RPT SRCE REF NO | CROSS INDEX |
|---|--------------|----------------------------------|-------------|--------------|---------------------|-----------------|------------|----------------------------|---------------|
| PART DESCRIPTION | | | | | | | | | |
| 00 N.W.C. | | | | | | | | | |
| JACKSCREWS-INBOARD | | | AIR | .04P | | | | 65 | 2590 21588000 |
| JACKSCREWS-RETRACTION | | | AIR | .08P | | | | 65 | 2590 21590000 |
| LAVATORY-DRAIN | | | AIR | 110P | | | | 66 | 2361 21592000 |
| LAVATORY-DRAIN | | | AIR | 360P | | | | 66 | 2361 21594000 |
| LAVATORY-DRAIN | | | AIR | 530P | | | | 65 | 2361 21596000 |
| LINK-RUDDER-BAL-PANEL | | | AIR | 80P | | | | 65 | 2364 21598000 |
| LINK-MAIN-LANDING-GEAR-ACTUATOR-BEAM-SUPP | | | AIR | 110P | | | | 66 | 2365 21600000 |
| LINK-MAIN-LANDING-GEAR-TORISEN-LOWER | | | AIR | 110P | | | | 66 | 2365 21602000 |
| LINK-NOSE-LANDING-GEAR-TORISEN-LOWER | | | AIR | 250P | | | | 66 | 2363 21604000 |
| LINK-NOSE-LANDING-GEAR-TORISEN | | | AIR | 270P | | | | 66 | 2363 21606000 |
| LINK-PIN-NOSE-LANDING-GEAR-TORSION | | | AIR | 220P | | | | 66 | 2363 21608000 |
| LINKS | | DRAG-TRUNNION-LANDING-GEAR-NOSE | AIR | * | 55.9834 | 76 | .0413 | 66 | 1250 21610000 |
| LINKS | | DRAG-AFT-LANDING-GEAR-NOSE | AIR | * | 55.9834 | 76 | .0413 | 66 | 1250 21612000 |
| LINKS | | DOOR-HYDRAULIC-PETAL | AIR | * | 27.9917 | 352 | .08226 | 66 | 1250 21614000 |
| LINKS | | DRAG-FORWARD-LANDING-GEAR-NOSE | AIR | * | 35.9834 | 76 | .0413 | 66 | 1250 21616000 |
| LINKS | | DOOR-HYDRAULIC-PETAL | AIR | * | 46.5736 | 96 | .0944 | 65 | 1227 21618000 |
| LINKS | | FLAP-DOOR-LANDING-GEAR-MAIN | AIR | * | 13.1336 | 812 | .1732 | 64 | 1179 21620000 |
| LINKS | | BRAKE-AFT-MAIN-LANDING-GEAR | AIR | * | 13.0975 | 304 | .1645 | 66 | 1250 21622000 |
| LINKS | | BRAKE-FORWARD-MAIN-LANDING-GEAR | AIR | * | 23.2806 | 192 | .0988 | 65 | 1227 21624000 |
| LINKS | | CRAG-TRUNNION-LANDING-GEAR-NOSE | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 21626000 |
| LINKS | | UPLOCK-LANDING-GEAR-NOSE | AIR | * | 19.7368 | 100 | .11637 | 65 | 1198 21628000 |
| LINKS | | DRAG-LANDING-GEAR-MAIN | AIR | * | 46.5736 | 96 | .0944 | 65 | 1227 21630000 |
| LINKS | | DRAG-AFT-LANDING-GEAR-MAIN | AIR | * | 46.5736 | 96 | .0944 | 65 | 1227 21632000 |
| LINKS | | DRAG-LANDING-GEAR-NOSE-LOWER | AIR | * | 46.3393 | | .0469 | 63 | 1523 21634000 |
| LINKS | | FLAP-DOOR-LANDING-GEAR-MAIN | AIR | * | 10.0752 | 944 | .22854 | 65 | 1228 21636000 |
| LINKS | | DRAG-FORWARD-LANDING-GEAR-NOSE | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 21638000 |
| LINKS | | DRAG-FORWARD-LANDING-GEAR-MAIN | AIR | * | 46.5736 | 96 | .0944 | 65 | 1227 21640000 |
| LINKS | | DRAG-AFT-LANDING-GEAR-NOSE | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 21642000 |
| LINKS | | BRAKE-AFT-MAIN-LANDING-GEAR | AIR | * | 23.2806 | 192 | .0988 | 65 | 1227 21644000 |
| LINKS | | DOOR-ELECTRIC-LOUVER | AIR | * | 9.31472 | 480 | .2472 | 65 | 1227 21646000 |
| LINKS | | AFTERBURNER-TURBOJET-J-85 | AIR | .81813 | 3.18227 | 9744 | .1223 | 64 | 1179 21648000 |
| LINKS | | AFTERBURNER-TURBOJET-J-85 | AIR | 2.18786 | 3.84046 | 11352 | 2.7424 | 65 | 1228 21650000 |
| LINKS | | COORDINATOR-FUEL-ENGINE-CONTROLS | AIR | 2.83286 | 11.0189 | 403 | .353 | 67 | 1114 21652000 |
| LINKS | | DOOR-LANDING-GEAR-MAIN | AIR | 4.3756 | 17.0197 | 946 | .22854 | 65 | 1228 21654000 |
| LINKS | | CRAG-AFT-LANDING-GEAR-MAIN | AIR | 6.07902 | 23.6455 | 304 | .1645 | 66 | 1250 21656000 |
| LINKS | | BRAKE-FORWARD-MAIN-LANDING-GEAR | AIR | 6.07902 | 23.6455 | 304 | .1645 | 66 | 1250 21658000 |
| LINKS | | COORDINATOR-PROP-ENGINE-CONTROLS | AIR | 6.44496 | 14.3524 | 400 | .46548 | 65 | 1198 21660000 |
| LINKS | | FLAP-DOOR-LANDING-GEAR-MAIN | AIR | 6.75871 | 11.3651 | 1194 | 1.0357 | 67 | 1272 21662000 |
| LINKS | | DOOR-LANDING-GEAR-NOSE | AIR | 7.72364 | 15.4348 | 597 | .51789 | 67 | 1272 21664000 |
| LINKS | | DRIVE-CANOPY-INSTRUCTOR | AIR | 8.7512 | 34.6395 | 473 | .11427 | 65 | 1228 21666000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

PART CLASS 361 HARDWARE

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER 90 CONF LIMIT

PART POPULATION

PART HOURS

YR OF RPT

CROSS DATA INDEX SRC REF NO

CO N-3-C-

| | | | | | | | | | |
|-------|----------------------------------|------|---------|----------|------|--------|----|------|----------|
| LINKS | DRIVE-CANOPY-STUDENT | AIR | 8.7512 | 34.0395 | 473 | .11427 | 65 | 1228 | 21668000 |
| LINKS | LANDING-GEAR-NOSE | AIR | 8.7512 | 34.0395 | 473 | .11427 | 65 | 1228 | 21670000 |
| LINKS | DOOR-LANDING-GEAR-MAIN | AIR | 11.4077 | 30.3576 | 812 | .17532 | 64 | 1179 | 21672000 |
| LINKS | DRIVE-CANOPY-STUDENT | AIR | 11.4077 | 44.3721 | 406 | .08766 | 64 | 1179 | 21674000 |
| LINKS | DRIVE-CANOPY-STUDENT | AIR | 11.5854 | 20.3115 | 597 | .51789 | 67 | 1272 | 21676000 |
| LINKS | DOOR-LANDING-GEAR-MAIN | AIR | 14.4829 | 20.5584 | 1194 | 1.0357 | 67 | 1272 | 21678000 |
| LINKS | DOOR-ACTUATING | AIR | 14.4527 | 28.9621 | | .276 | 59 | 1070 | 21680000 |
| LINKS | DRIVE-CANOPY-INSTRUCTOR | AIR | 14.5878 | 21.6162 | 1520 | .8226 | 66 | 1250 | 21682000 |
| LINKS | COORDINATOR-PROP-ENGINE-CONTROLS | AIR | 16.9971 | 25.8359 | 408 | .353 | 63 | 1114 | 21684000 |
| LINKS | SHAFT-TORQUE-STEERING-NOSEWHEEL | AIR | 18.345 | 25.0097 | 1194 | 1.0357 | 67 | 1272 | 21686000 |
| LINKS | COORDINATOR-FUEL-ENGINE-CONTROLS | AIR | 19.3348 | 30.511 | 400 | .46548 | 65 | 1198 | 21688000 |
| LINKS | BREECH-CONNECTOR-20MM-GUN | GRD | 20R | 32.4867R | 8 | .4R | 64 | 1134 | 21690000 |
| LINKS | PETRACTING-LANDING-GEAR-NOSE | AIR | 20.1247 | 78.2793 | | .04969 | 63 | 1123 | 21692000 |
| LINKS | DRAG-LANDING-GEAR-NOSE-UPPER | AIR | 20.1247 | 78.2793 | | .04969 | 63 | 1123 | 21694000 |
| LINKS | COORDINATOR-FUEL-ENGINE-CONTROLS | AIR | 20.6416 | 34.7101 | 400 | .33912 | 63 | 1198 | 21696000 |
| LINKS | LANDING-GEAR-MAIN | AIR | 20.9424 | 41.4596 | 124 | .04775 | 63 | 1111 | 21698000 |
| LINKS | SHAFT-TORQUE-STEERING-NOSEWHEEL | AIR | 21.678 | 80.5823 | 946 | .22854 | 65 | 1228 | 21700000 |
| LINKS | COORDINATOR-FUEL-ENGINE-CONTROLS | AIR | 23.4113 | 39.3675 | 200 | .299 | 63 | 1114 | 21702000 |
| LINKS | DRAG-LANDING-GEAR-MAIN | AIR | 24.3131 | 64.7009 | 152 | .08226 | 66 | 1250 | 21704000 |
| LINKS | DRAG-FORWARD-LANDING-GEAR-MAIN | AIR | 24.3131 | 64.7009 | 152 | .08226 | 66 | 1250 | 21706000 |
| LINKS | SHAFT-TORQUE-STEERING-NOSEWHEEL | AIR | 28.5192 | 52.9015 | 812 | .17532 | 64 | 1179 | 21708000 |
| LINKS | SIDE-BRACE-LANDING-GEAR-MAIN | AIR | 38.6212 | 47.6876 | 1194 | 1.0357 | 67 | 1272 | 21710000 |
| LINKS | DRAG-LANDING-GEAR-NOSE | AIR | 43.756 | 81.1647 | 473 | .11427 | 65 | 1228 | 21712000 |
| LINKS | SEAR-LEADER-20MM-GUN | GRD | 45R | 71.13R | 14 | .2R | 64 | 1134 | 21714000 |
| LINKS | COORDINATOR-PROP-ENGINE-CONTROLS | AIR | 47.2785 | 62.2176 | 200 | .50763 | 65 | 1198 | 21716000 |
| LINKS | COORDINATOR-FUEL-ENGINE-CONTROLS | AIR | 53.1883 | 68.8675 | 200 | .50763 | 65 | 1198 | 21718000 |
| LINKS | DRAG-LANDING-GEAR-NOSE | AIR | 64.8737 | 97.8895 | 100 | .16956 | 63 | 1198 | 21720000 |
| LINKS | COORDINATOR-PROP-ENGINE-CONTROLS | AIR | 70.2341 | 94.2618 | 200 | .299 | 63 | 1114 | 21722000 |
| LINKS | COORDINATOR-PROP-ENGINE-CONTROLS | AIR | 70.7714 | 93.1338 | 200 | .33912 | 63 | 1198 | 21724000 |
| LINKS | DRAG-LANDING-GEAR-NOSE | AIR | 73.8255 | 111.396 | 100 | .149 | 63 | 1114 | 21726000 |
| LINKS | DRAG-LANDING-GEAR-NOSE | AIR | 90.7528 | 110.188 | 597 | .51789 | 67 | 1272 | 21728000 |
| LINKS | DRAG-LANDING-GEAR-NOSE | AIR | 102.669 | 162.057 | 406 | .08766 | 64 | 1179 | 21730000 |
| LINKS | TAIL-RUMPER | AIR | 105.263 | 162.175 | | .095 | 63 | 2124 | 21732000 |
| LINKS | DRAG-LANDING-GEAR-NOSE | AIR | 133.333 | 354.82 | 68 | .015 | 63 | 1114 | 21734000 |
| LINKS | DRAG-LANDING-GEAR-TAIL | AIR | 333.395 | 416.54 | 63 | .10796 | 64 | 1155 | 21736000 |
| LINKS | DRAG-LANDING-GEAR-NOSE | AIR | 340.909 | 635.398 | 102 | .088 | 63 | 1114 | 21738000 |
| LINKS | DRAG-LANDING-GEAR-NOSE | AIR | 366.1 | 466.858 | 50 | .12691 | 65 | 1198 | 21740000 |
| LINKS | DRAG-LANDING-GEAR-NOSE | AIR | 438.257 | 527.676 | 100 | .11637 | 65 | 1198 | 21742000 |
| LINKS | CONTROL-PITCH-TAIL-ROTOR | HELI | 474.308 | 702.828 | 80 | .0253 | 66 | 1257 | 21744000 |
| LINKS | CONTROL-PITCH-TAIL-ROTOR | HELI | 881.502 | 1044.92 | 80 | .0692 | 66 | 1257 | 21746000 |
| LINKS | CONTROL-PITCH-TAIL-ROTOR | HELI | 955.882 | 1393.96 | 40 | .0136 | 66 | 1257 | 21748000 |
| LINKS | LEVER-MIXING-MAIN-ROTOR | HELI | 1383.39 | 1734.05 | 80 | .0253 | 66 | 1257 | 21750000 |
| LINKS | LEVER-MIXING-MAIN-ROTOR | HELI | 1878.61 | 2107.88 | 80 | .0692 | 66 | 1257 | 21752000 |
| LINKS | LEVER-MIXING-MAIN-ROTOR | HELI | 2647.05 | 3307.2 | 40 | .0136 | 66 | 1257 | 21754000 |
| LINKS | DOOR-THRUST-REVERSER-SYSTEM | AIR | * | 1.16446 | 3648 | 1.974 | 66 | 1250 | 21756000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 361 HARDWARE

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------|--|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART CLASS | 361 HARDWARE | | | | | | RPT SRC | REF NO |
| LINKS-ACTUATING | DOOR-THRUST-REVERSER-SYSTEM | AIR | * 158.672 | 1.9405 | 2304 | 1.1866 | 65 | 1227 21750000 |
| LINKS-ACTUATING | ACTUATING-ROD-VALVE-BOUNDARY-LAYER-CONTROL | AIR | | 231.392 | | .08193 | 66 | 1241 21760000 |
| LINKS-ACTUATING | DOOR-HYDRAULIC-CARGO-RAMP | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 21762000 |
| LINKS-ACTUATING | LANDING-GEAR-MAIN | AIR | | 14.8755 | 1194 | 1.0357 | 67 | 1272 21764000 |
| LINKS-ACTUATING | LANDING-GEAR-MAIN | AIR | | 17.5024 | 946 | .22854 | 65 | 1228 21766000 |
| LINKS-ACTUATING | DOOR-HYDRAULIC-CARGO-RAMP | AIR | | 24.3131 | 152 | .08226 | 66 | 1250 21768000 |
| LINKS-ACTUATING | DOOR-LANDING-GEAR-NOSE | AIR | | 58.465 | 473 | .11427 | 65 | 1228 21770000 |
| LINKS-ACTUATING | DOOR-LANDING-GEAR-NOSE | AIR | | 27.0327 | 597 | .51789 | 67 | 1272 21772000 |
| LINKS-ACTUATING | DOOR-LANDING-GEAR-MAIN | AIR | | 28.5192 | 812 | .17532 | 64 | 1179 21774000 |
| LINKS-ACTUATING | DOOR-LANDING-GEAR-NOSE | AIR | | 34.2231 | 406 | .08766 | 64 | 1179 21776000 |
| LINKS-ATTACH | LANDING-GEAR-MAIN | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 21778000 |
| LINKS-ATTACH | LANDING-GEAR-MAIN | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 21780000 |
| LINKS-SHRINK | SIDE-BRACE-LANDING-GEAR-MAIN | AIR | | 29.2325 | 946 | .22854 | 65 | 1228 21782000 |
| LINKS-SHRINK | LANDING-GEAR-MAIN | AIR | | 48.7664 | 126 | .21597 | 64 | 1155 21784000 |
| LINKS-SHRINK | SLIDER-CONNECTOR-20MM-GUN | GRD | | 68.8088 | 2 | .1R | 64 | 1134 21786000 |
| LINKS-SHRINK | SIDE-BRACE-LANDING-GEAR-MAIN | AIR | | 65.0735 | 812 | .17532 | 64 | 1179 21788000 |
| LINKS-TORSION | LANDING-GEAR-MAIN | AIR | * | 48.2219 | 124 | .04775 | 63 | 1111 21790000 |
| LOCKS | INSTRUCTOR-SEAT | AIR | * | 20.1505 | 473 | .11427 | 65 | 1228 21792000 |
| LOCKS | RAIL-RESTRAINT-AIR-DROP-SYSTEM | AIR | * | 4.65736 | 960 | .4944 | 65 | 1227 21796000 |
| LOCKS | DOOR-BOOM-NAVIGATION-SYSTEM | AIR | * | 96.4641 | 62 | .02387 | 63 | 1111 21798000 |
| LOCKS | STUDENT-SEAT | AIR | * | 20.1505 | 473 | .11427 | 65 | 1228 21800000 |
| LOCKS | LATCH-EJECTION-SYSTEM | AIR | * | 32.1502 | 186 | .07162 | 63 | 1111 21802000 |
| LOCKS | UP/DOWN-LANDING-GEAR-NOSE | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 21804000 |
| LOCKS | UP/DOWN-LANDING-GEAR-MAIN | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 21806000 |
| LOCKS | UP/DOWN-HYDRAULIC-PRESSURE | AIR | * | 55.9834 | 76 | .04113 | 65 | 1250 21808000 |
| LOCKS | SHOCK-TORQUEMETER-REDUCTION-GEAR | AIR | | 6.56567 | 708 | .55841 | 65 | 1201 21810000 |
| LOCKS | STUDENT-SEAT | AIR | 1.79079 | 7.51066 | 597 | .51789 | 67 | 1272 21812000 |
| LOCKS | STUDENT-SEAT | AIR | 1.93091 | 12.9 | 597 | .51789 | 67 | 1272 21814000 |
| LOCKS | DOOR-LANDING-GEAR-NOSE | AIR | 5.79273 | 15.4348 | 597 | .51789 | 67 | 1272 21816000 |
| LOCKS | DOOR-LANDING-GEAR-MAIN | AIR | 7.72364 | 20.3576 | 812 | .17532 | 64 | 1179 21818000 |
| LOCKS | DOOR-LANDING-GEAR-NOSE | AIR | 11.4077 | 46.5765 | 473 | .11427 | 65 | 1228 21820000 |
| LOCKS | DOOR-LANDING-GEAR-MAIN-OUTBOARD | AIR | 17.5024 | 35.4008 | 100 | .16956 | 63 | 1198 21822000 |
| LOCKS | DOOR-LANDING-GEAR-MAIN-OUTBOARD | AIR | 17.6928 | 44.8375 | 190 | .149 | 63 | 1114 21824000 |
| LOCKS | DOOR-LANDING-GEAR-NOSE | AIR | 20.1342 | 60.7152 | 406 | .08766 | 64 | 1179 21826000 |
| LOCKS | DOOR-LANDING-GEAR-MAIN | AIR | 22.8154 | 46.0842 | 946 | .22854 | 65 | 1228 21828000 |
| LOCKS | LANDING-GEAR-TAIL | AIR | 26.2536 | 61.8707 | 63 | .10758 | 64 | 1155 21830000 |
| LOCKS | PITCH-PROPELLOR-ASSEMBLY | AIR | 27.7829 | 45.7428 | 400 | .46548 | 65 | 1198 21832000 |
| LOCKS | PITCH-PROPELLOR-ASSEMBLY | AIR | 32.2248 | 64.439 | 200 | .50763 | 65 | 1198 21834000 |
| LOCKS | PITCH-HYDROMATIC-PROPELLOR | AIR | 49.2484 | 71.212 | 200 | .299 | 63 | 1114 21836000 |
| LOCKS | UP-LANDING-GEAR-MAIN | AIR | 50.1672 | 172.456 | 152 | .98226 | 66 | 1250 21838000 |
| LOCKS | PIN-WHEEL-LANDING-GEAR-TAIL | HELI | 109.409 | 748.386 | 120 | .03 | 65 | 1215 21840000 |
| LOCKS-DOWN | TIP-PROTECTOR-GEAR | AIR | 533.333 | 96.4641 | 62 | .02387 | 63 | 1111 21842000 |
| LOCKS-DOWN | LANDING-GEAR-NOSE | AIR | * | 78.2793 | | .04969 | 63 | 1123 21844000 |
| LOCKS-DOWN | LANDING-GEAR-NOSE | AIR | 20.1247 | | | | | |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA
JANUARY 1969

| PART CLASS | 361 HARDWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------|--------------|--|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | RPT SACE | REF NO |
| NO. N.O.C. | | | | | | | | | |
| RELEASES | | RADIO-COMPARTMENT-SURVIVAL-EQUIPMENT | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 21936000 |
| RELEASES | | LADDER-EXIT-EVACUATION-EQUIPMENT | AIR | * | 18.6596 | 228 | .1234 | 66 | 1250 21936000 |
| RELEASES | | LATCH-DOOR-MAIN-LANDING-GEAR-OUTBOARD | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 21940000 |
| RELEASES | | HOME-NAVIGATION-SYSTEM | AIR | * | 21.4334 | 279 | .10743 | 63 | 1111 21942000 |
| RELEASES | | LIFE-RAFT-SURVIVAL-EQUIPMENT | AIR | * | 15.5245 | 288 | .14832 | 65 | 1227 21944000 |
| RELEASES | | DOOR-EMERGENCY-SIDE-EXIT | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 21946000 |
| RELEASES | | RADIO-COMPARTMENT-SURVIVAL-EQUIPMENT | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 21948000 |
| RELEASES | | LADDER-EXIT-EVACUATION-EQUIPMENT | AIR | * | 31.049 | 144 | .07416 | 65 | 1227 21950000 |
| RELEASES | | LATCH-DOOR-MAIN-LANDING-GEAR-OUTBOARD | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 21952000 |
| RELEASES | | DOOR-EMERGENCY-SIDE-EXIT | AIR | 7.8796 | 30.6492 | 50 | .12691 | 65 | 1198 21954000 |
| RELEASES | | DOOR-EMERGENCY-SIDE-EXIT | AIR | 11.3636 | 44.2011 | 102 | .088 | 63 | 1114 21956000 |
| RELEASES | | DOOR-EMERGENCY-SIDE-EXIT | AIR | 23.5904 | 62.7777 | 50 | .08478 | 63 | 1198 21958000 |
| RELEASES | | DOOR-EMERGENCY-SIDE-EXIT | AIR | 26.6666 | 70.964 | 50 | .075 | 63 | 1114 21960000 |
| ROLLERS | | CABLE-DOOR-MECHANICAL-FORWARD-ENTRANCE | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 21962000 |
| ROLLERS | | DOOR-MECHANICAL-FORWARD-ENTRANCE | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 21964000 |
| ROLLERS | | DOOR-MECHANICAL-PARATROOP | AIR | * | 2.47333 | 800 | .93097 | 65 | 1198 21966000 |
| ROLLERS | | DOOR-MECHANICAL-PARSONNEL | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 21968000 |
| ROLLERS | | CARGO-COMPARTMENT | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 21970000 |
| ROLLERS | | DOOR-LANDING-GEAR-MAIN-OUTBOARD | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 21972000 |
| ROLLERS | | DOOR-MECHANICAL-FORWARD-ENTRANCE | AIR | 1.22584 | 2.72986 | 4752 | 2.4473 | 65 | 1227 21974000 |
| ROLLERS | | CARRIAGE-WING-FLAP-ASSEMBLY | AIR | 2.74037 | 3.62841 | 4950 | 8.393 | 63 | 1198 21976000 |
| ROLLERS | | DOOR-MECHANICAL-PARATROOP | AIR | 2.95479 | 6.58012 | 400 | 1.0153 | 65 | 1198 21978000 |
| ROLLERS | | CARRIAGE-WING-FLAP-ASSEMBLY | AIR | 3.10098 | 4.10587 | 4950 | 7.417 | 63 | 1114 21980000 |
| ROLLERS | | DOOR-MECHANICAL-PARATROOP | AIR | 4.24929 | 9.46289 | 816 | .706 | 63 | 1114 21982000 |
| ROLLERS | | LOCK-RAIL-RESTRAINT-AIR-ORGP-SYSTEM | AIR | 4.86263 | 9.71742 | 1520 | .8226 | 66 | 1250 21984000 |
| ROLLERS | | ENGINE-TURBOJET-J-85 | AIR | 5.70385 | 15.1788 | 1624 | .35064 | 64 | 1179 21986000 |
| ROLLERS | | LOCK-RAIL-RESTRAINT-AIR-DROP-SYSTEM | AIR | 6.06796 | 13.5129 | 960 | .4944 | 65 | 1227 21988000 |
| ROLLERS | | ENGINE-TURBOJET-J-85 | AIR | 6.5634 | 14.8162 | 1892 | .45708 | 65 | 1228 21990000 |
| ROLLERS | | CARRIAGE-WING-FLAP-ASSEMBLY | AIR | 8.59328 | 33.4252 | 100 | .11637 | 65 | 1198 21992000 |
| ROLLERS | | DOOR-MECHANICAL-PARSONNEL-CARGO-COMP | AIR | 10.1132 | 39.3375 | 192 | .09888 | 65 | 1227 21994000 |
| ROLLERS | | ELEVATOR-CONTROL-SYSTEM | AIR | 24.3131 | 94.3708 | 76 | .04113 | 66 | 1250 21996000 |
| ROLLERS | | CARRIAGE-WING-FLAP-ASSEMBLY | AIR | 39.3975 | 73.0809 | 50 | .12641 | 65 | 1198 21998000 |
| ROLLERS | | CARRIAGE-WING-FLAP-ASSEMBLY | AIR | 56.8181 | 105.394 | 102 | .088 | 63 | 1114 22000000 |
| ROLLERS | | DOOR-LANDING-GEAR-MAIN-OUTBOARD | AIR | 161.132 | 187.595 | 56 | .04944 | 65 | 1227 22002000 |
| ROLLERS | | RELEASE-ALTERNATE-SYS-LANDING-GEAR | AIR | 102.869 | 162.057 | 406 | .08736 | 64 | 1179 22004000 |
| ROLLERS | | DOOR-MECHANICAL-PARATROOP | AIR | 174.966 | 201.214 | 300 | .50867 | 63 | 1198 22006000 |
| ROLLERS | | DOOR-MECHANICAL-PARATROOP | AIR | 184.035 | 212.725 | 300 | .451 | 63 | 1114 22008000 |
| ROLLERS-CABLE | | DOOR-MECHANICAL-FORWARD-ENTRANCE | AIR | * | 55.9834 | 76 | .04113 | 65 | 1250 22010000 |
| ROLLERS-CARRIAGE | | WING-FLAP-SYSTEM | AIR | 1.2285 | 2.27879 | 7524 | 4.07 | 66 | 1250 22012000 |
| ROLLERS-FAIRLEAD | | ELEVATOR-CONTROL-SYSTEM | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 22014000 |

AGNE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 361 HARDWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF RPT | CROSS DATA INDEX |
|-----------------------------|--------------|---------------------------------------|-------------|--------------|---------------------|-----------------|------------|-----------|------------------|
| PART DESCRIPTION | | | | | | | | | |
| ROLLERS-FAIRLEAD | | AILERON-CONTROL-SYSTEM | AIR | * | 4.65736 | 960 | .4944 | 65 | 1227 22016000 |
| ROLLERS-FAIRLEAD | | AILERON-CONTROL-SYSTEM | AIR | * | 2.79917 | 1520 | .8226 | 56 | 1250 22018000 |
| ROLLERS-FAIRLEAD | | PUDDER-CONTROL-SYSTEM | AIR | | 24.3131 | 76 | .04113 | 66 | 1250 22020000 |
| ROLLERS-FAIRLEAD | | RUDDER-CONTROL-SYSTEM | AIR | | 40.453 | 48 | .02472 | 65 | 1227 22022000 |
| SELECTOR | | COMMAND-SUBSYSTEM-RADAR-SET AN/ARC-57 | AIR | | 736.067 | 3 | .02853 | 52 | 2321 22024000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-1318 | AIR | 60P | | | | 66 | 2361 22026000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-1318 | AIR | 60P | | | | 66 | 2361 22028000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-1318 | AIR | 70P | | | | 66 | 2362 22030000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-727 | AIR | 90P | | | | 66 | 2360 22032000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-131 | AIR | 120P | | | | 66 | 2362 22034000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-331 | AIR | 130P | | | | 65 | 2361 22036000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-331 | AIR | 140P | | | | 66 | 2361 22038000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-1318 | AIR | 160P | | | | 65 | 2362 22040000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-1318 | AIR | 200P | | | | 65 | 2361 22042000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-727 | AIR | 270P | | | | 65 | 2360 22044000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-331B | AIR | 280P | | | | 66 | 2362 22046000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-331B | AIR | 280P | | | | 66 | 2361 22048000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-727 | AIR | 300P | | | | 66 | 2365 22050000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-331 | AIR | 310P | | | | 66 | 2362 22052000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-727 | AIR | 320P | | | | 66 | 2365 22054000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-331 | AIR | 470P | | | | 66 | 2360 22056000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-331 | AIR | 510P | | | | 65 | 2362 22058000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-331C/373C | AIR | 750P | | | | 66 | 2360 22060000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-331 | AIR | 800P | | | | 66 | 2362 22062000 |
| SELECTOR-TEMPERATURE | | AIR-CONDITIONING-88C | AIR | 70P | | | | 66 | 2360 22064000 |
| SELECTOR-TEMPERATURE | | AIR-CONDITIONING-88C | AIR | 80P | | | | 65 | 2360 22066000 |
| SELECTOR-TEMPERATURE | | AIR-CONDITIONING-88C | AIR | 160P | | | | 65 | 2365 22068000 |
| SELECTOR-TEMPERATURE | | AIR-CONDITIONING-88C | AIR | 240P | | | | 66 | 2365 22070000 |
| SELECTOR-TEMPERATURE | | AIR-CONDITIONING-88C | AIR | 380P | | | | 66 | 2365 22072000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-727 | AIR | 170P | | | | 65 | 2363 22074000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-727 | AIR | 220P | | | | 66 | 2363 22076000 |
| SELECTOR-CABIN-TEMPERATURE | | AIR-CONDITIONING-331C/373C | AIR | 250P | | | | 66 | 2363 22078000 |
| SELECTORS | | BOMT-NAVIGATION-INSTRUMENTATION | AIR | 94.39C5 | 158.723 | 144 | -.07416 | 65 | 1227 22080000 |
| SELECTORS | | NAVIGATION-INSTRUMENTATION | AIR | 627.022 | 797.529 | 96 | -.04944 | 65 | 1227 22082000 |
| SELECTORS-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-131 | AIR | 110P | | | | 66 | 2364 22084000 |
| SELECTORS-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-1318 | AIR | 140P | | | | 65 | 2364 22086000 |
| SELECTORS-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-331 | AIR | 160P | | | | 66 | 2364 22088000 |
| SELECTORS-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-331 | AIR | 170P | | | | 66 | 2364 22090000 |
| SELECTORS-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-1318 | AIR | 200P | | | | 66 | 2364 22092000 |
| SELECTORS-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-1318 | AIR | 270P | | | | 66 | 2364 22094000 |
| SELECTORS-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-331B | AIR | 280P | | | | 66 | 2361 22096000 |
| SELECTORS-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-331B | AIR | 290P | | | | 66 | 2364 22098000 |
| SELECTORS-CABIN-TEMPERATURE | | AIR-CONDITIONING-707-331 | AIR | 310P | | | | 65 | 2364 22100000 |
| SELECTORS-TEMPERATURE | | CABIN-AIR-CONDITIONING | AIR | 9.6553 | 14.8755 | 1194 | 1.0357 | 67 | 1272 22102000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1948

| PART CLASS | 361 HARDWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA INDEX | CROSS RPT SRCE REF #8 |
|--|--------------|---|-------------|--------------|---------------------|-----------------|------------|------------------|-----------------------|
| PART DESCRIPTION | | | | | | | | | |
| SELECTIONS-TEMPERATURE | | CABIN-AIR-CONDITIONING | AIR | 13.1268 | 29.2325 | 946 | .22854 | 65 | 1226 22104000 |
| SELECTORS-TEMPERATURE | | BOHI-NAVIGATION-INSTRUMENTATION | AIR | 194.489 | 255.944 | 228 | .1234 | 56 | 1250 22120000 |
| SELECTORS-TEMPERATURE | | NAVIGATION-INSTRUMENTATION | AIR | 522.732 | 640.481 | 152 | .08226 | 66 | 1250 22108000 |
| SELECTORS-MODE | | RECEIVER | LAB | 38.92 | | | | 52 | 2324 2210000 |
| SELECTORS-MODE | | TRANSMITTER | LAB | 175.12 | | | | 65 | 2324 2210000 |
| STOPS | | DOWN-LOCK-EMERGENCY-MAIN-LANDING-GEAR | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 22112000 |
| STOPS | | DOWN-LOCK-EMERGENCY-SIDE-EXIT | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 22116000 |
| STOPS | | DOWN-TIE-80R-HORIZONTAL-STABILIZER | AIR | * | 13.9975 | 304 | .1645 | 66 | 1250 22118000 |
| STOPS | | EMERGENCY | AIR | | | | | | |
| STOPS | | DOWN-THRUST-REVERSE-SYSTEM | AIR | 7.59878 | 14.0952 | 1216 | .056 | 66 | 1250 22120000 |
| STOPS | | DOWN-MECHANICAL-PERSONNEL-CARGO-COMPARTMENT | AIR | 36.4741 | 64.0249 | 304 | .1645 | 66 | 1250 22122000 |
| STOPS | | SPOILER-WING-SPOILER-SYSTEM | AIR | 171.505 | 126.135 | 2736 | 1.481 | 66 | 1250 22124000 |
| STOPS | | DOWN-CARGO | HELI | 578.034 | 713.73 | 80 | .0692 | 66 | 1257 22126000 |
| STOPS | | DOWN-TIE-80R-HORIZONTAL-STABILIZER | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 22128000 |
| STOPS | | DOWN-EMERGENCY-SIDE-EXIT | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 22130000 |
| STOPS | | DOWN-LOCK-EMERGENCY | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 22132000 |
| STOPS | | DOWN-LANDING-GEAR | AIR | | | | | | |
| STOPS | | DOWN-NOSE-LANDING-GEAR-FORWARD | AIR | 4.29664 | 16.7126 | 200 | .23274 | 65 | 1198 22134000 |
| STOPS | | DOWN-THRUST-REVERSE-SYSTEM | AIR | 5.05535 | 13.453 | 768 | .39362 | 55 | 1227 22136000 |
| STOPS | | DOWN-MECHANICAL-PERSONNEL-CARGO-COMP | AIR | 60.6796 | 106.513 | 192 | .09888 | 65 | 1227 22138000 |
| STOPS | | SPOILER-WING-SPOILER-SYSTEM | AIR | 75.2876 | 88.5012 | 1728 | .08992 | 65 | 1227 22140000 |
| STOPS | | | AIR | * | 23.1719 | | .09937 | 63 | 1123 22142000 |
| STOPS-ADJUSTABLE-COMMAND-TRAVEL-2-POS-WING | | WING-FLAP-ASSEMBLY | AIR | * | .61833 | 3200 | 3.7239 | 65 | 1198 22144000 |
| STOPS-CARRIAGE | | AILERON | AIR | 20.1247 | 78.2793 | | .04969 | 63 | 1123 22146000 |
| STOPS-CLEAN-CONCITION | | MAIN-ROTOR | HELI | 555.555 | 1237.18 | 20 | .0054 | 66 | 1257 22148000 |
| STOPS-DYNAMIC | | DOWN-ROTOR | HELI | 1985.29 | 2570.53 | 40 | .013 | 66 | 1257 22150000 |
| STOPS-LATCH-ENGAGING | | DOWN-EMERGENCY-SIDE-EXIT | AIR | * | 6.99878 | 608 | .329 | 66 | 1250 22152000 |
| STOPS-MECHANICAL-LIMIT | | OUTBOARD-ROTOR-GEARBOX | AIR | * | 11.6434 | 384 | .19716 | 65 | 1227 22154000 |
| STOPS-UP LIMIT | | DOWN-MECHANICAL-PARATROOP | GRD | 3913.04 | 6176.52 | | .0023 | 62 | 1135 22156000 |
| STOPS-UP LIMIT | | DOWN-MECHANICAL-PARATROOP | AIR | 124.602 | 159.828 | 200 | .23274 | 65 | 1198 22158000 |
| STOPS-UP LIMIT | | DOWN-MECHANICAL-PARATROOP | AIR | 218.211 | 271.78 | 100 | .16956 | 63 | 1198 22160000 |
| STOPS-UP LIMIT | | DOWN-MECHANICAL-PARATROOP | AIR | 234.899 | 294.439 | 100 | .149 | 63 | 1114 22162000 |
| STOPS-UP LIMIT | | DOWN-MECHANICAL-PARATROOP | AIR | 431.818 | 502.488 | 204 | .176 | 63 | 1114 22164000 |
| TEMPERATURE-SELECTOR | | DOWN-MECHANICAL-PARATROOP | AIR | 476.715 | 537.199 | 100 | .25382 | 65 | 1198 22166000 |
| TEMPERATURE-SELECTOR | | AIR-CONDITIONING-88C | AIR | 80P | | | | 66 | 2363 22168000 |
| TEMPERATURE-SELECTOR | | AIR-CONDITIONING-88C | AIR | 80P | | | | 66 | 2363 22170000 |
| TURNBUCKLES | | AIR-CONDITIONING-88C | AIR | 180P | | | | 65 | 2363 22172000 |
| TURNBUCKLES | | LANDING-GEAR-MAIN | AIR | * | 10.0752 | 946 | .22854 | 65 | 1228 22174000 |
| TURNBUCKLES | | ACTUATOR-AFTERBURNER-TURBOJET-J-85 | AIR | 2.91711 | 7.76286 | 2838 | .68561 | 65 | 1228 22176000 |
| TURNBUCKLES | | RUDDER-SYSTEM | AIR | 22.8154 | 60.7152 | 406 | .08766 | 64 | 1179 22178000 |
| TURNBUCKLES | | LANDING-GEAR-MAIN | AIR | 34.2231 | 60.0735 | 812 | .17532 | 64 | 1179 22180000 |
| TURNBUCKLES | | RUDDER-SYSTEM | AIR | 35.0048 | 69.9531 | 473 | .11427 | 65 | 1228 22182000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 341 HARDWARE
PART DESCRIPTION FUNCTIONAL APPLICATION

1.4 BRUSHES

ROTARY-DEVICES
GENERATOR-AC
PROPELLOR-ASSEMBLY
GENERATOR-CC
GENERATOR-CC
GENERATOR-AC
HYDROMATIC-PROPELLOR
GENERATOR-AC
PROPELLOR-ASSEMBLY
HYDROMATIC-PROPELLOR
PROPELLOR-ASSEMBLY
HYDROMATIC-PROPELLOR
GENERATOR-AC

COMPUTATOR-CONTACT

SLIPRING
SLIPRING
SLIPRING
SLIPRING-POWER
SLIPRING-POWER
SLIPRING-POWER
SLIPRING-POWER-SET-MINATURE
SLIPRING-SIGNAL
SLIPRING-SIGNAL
SLIPRING-SIGNAL
SLIPRING-SIGNAL
SLIPRING-SIGNAL-SET-MINATURE

1.10 BUSHINGS

ELEVATOR-FLIGHT-CONTROL
ENGINE-MOUNT
WING-FLAP-SYSTEM
PIVOT-STABILIZER-VERTICAL-EMENNAGE
PIVOT-STABILIZER-VERTICAL-EMENNAGE
PIVOT-STABILIZER-VERTICAL-EMENNAGE
ELEVATOR-FLIGHT-CONTROL
DOOR-MECHANICAL-PARATROOP
RUDDER-FLIGHT-CONTROL
PINION-STEER-LANDING-GEAR-NOSE
RUDDER-FLIGHT-CONTROL
HINGE-DOOR-MAIN-LANDING-GEAR-OUTBOARD

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA RPT SRCE REF NO | CROSS INDEX |
|-------------|--------------|---------------------|-----------------|------------|----------------------------|-------------|
| LAB | 1.157594 | 6.12995 | 2500 | 6.3454 | 63 1138 | 22184000 |
| AIR | 2.26706 | 8.81818 | 5100 | 4.411 | 65 1198 | 22186000 |
| AIR | 2.68538 | 3.81188 | 4800 | 5.5858 | 63 1114 | 22188000 |
| AIR | 4.42314 | 7.76417 | 800 | 1.3565 | 65 1198 | 22190000 |
| AIR | 5.00417 | 8.78407 | 800 | 1.199 | 63 1198 | 22192000 |
| AIR | 5.2336 | 20.3645 | 495 | .191 | 63 1114 | 22194000 |
| AIR | 5.39883 | 10.7729 | 3264 | .742 | 63 1111 | 22196000 |
| AIR | 5.89761 | 8.37162 | 1500 | 2.5434 | 63 1114 | 22198000 |
| AIR | 6.67259 | 9.4717 | 1500 | 2.248 | 63 1198 | 22200000 |
| AIR | 8.22103 | 9.64047 | 4950 | 8.3931 | 63 1114 | 22202000 |
| AIR | 8.35917 | 9.89106 | 4950 | 7.417 | 63 1198 | 22204000 |
| AIR | 36.8358 | 28.9594 | 2400 | 6.9516 | 63 1114 | 22206000 |
| AIR | 85.7142 | 40.9126 | 4895 | 4.235 | 65 1198 | 22208000 |
| GRD | 4.46735 | 52.154 | 640 | .07 | 63 1114 | 22210000 |
| AIR GND | 5.33064 | 5.81381 | | .04415 | 61 1080 | 22212000 |
| AIR GND | 10.2466 | 7.02854 | | 5.82 | 62 1087 | 22214000 |
| SIM AIR | * | 12.2756 | 68 | 24.8 | 61 1087 | 22216000 |
| SIM AIR | * | 8.1751 | 272 | 5.27 | 62 1087 | 22218000 |
| SIM AIR | * | 5.15884 | 432 | .0326 | 64 1151 | 22220000 |
| SIM AIR | * | 27.4904 | 160 | .28166 | 64 1150 | 22222000 |
| SIM AIR | * | 47.6728 | 64 | .44634 | 64 1150 | 22224000 |
| GRD | * | 8.5651 | 248 | .08376 | 64 1151 | 22226000 |
| SIM AIR | * | 46.3259 | 48 | .0483 | 65 1177 | 22228000 |
| SIM AIR | * | 366.656 | 12 | .2568 | 64 1150 | 22230000 |
| SIM AIR | * | 43.1158 | 102 | .0497 | 64 1150 | 22232000 |
| GRD | * | 56.5749 | 54 | .00628 | 64 1151 | 22234000 |
| | * | | | .0534 | 64 1151 | 22236000 |
| | * | | | .0407 | 65 1177 | 22238000 |

| | | | | | |
|-----|---------|------|--------|---------|----------|
| AIR | 55.9034 | 76 | .04113 | 66 1250 | 22240000 |
| AIR | 23.1719 | 48 | .09937 | 63 1123 | 22242000 |
| AIR | 93.1472 | 456 | .02472 | 65 1227 | 22244000 |
| AIR | 9.32982 | 96 | .2468 | 66 1250 | 22246000 |
| AIR | 46.5736 | 288 | .04944 | 65 1227 | 22248000 |
| AIR | 17.9442 | 48 | .12832 | 65 1227 | 22250000 |
| AIR | 93.1472 | 2400 | .02472 | 65 1227 | 22252000 |
| AIR | .824448 | 48 | 2.7929 | 65 1198 | 22254000 |
| AIR | 93.1472 | 48 | .02472 | 65 1227 | 22256000 |
| AIR | 93.1472 | 48 | .02472 | 65 1227 | 22258000 |
| AIR | 55.9834 | 76 | .04113 | 65 1227 | 22260000 |
| AIR | 4.94672 | 400 | .46548 | 66 1250 | 22262000 |
| | | | | 63 1198 | 22264000 |

SEMI-ANNUAL REPORT ON THE STATE OF THE ECONOMY

SECTION 1 FAILURE RATE DATA

PART CLASS 3E1 HARDWARE

PARTY DESCRIPTION

-10- BUSHINGS

FUNCTIONAL APPLICATION

**FAILURE
ENVIRONMENT RATE**

UPPER PART
90 CONF
LIMIT POPU-
LATION

| YR | CROSS | OF DATA | INDEX | PT | SRCE | REF | NO |
|----|-------|---------|-------|----|------|-----|----|
|----|-------|---------|-------|----|------|-----|----|

[illegible]

NON-ELECTRONIC PART FAILURE RATE DATA

SECTION I FAILURE RATE DATA

| PART CLASS | SET HARDWARE |
|------------|--------------|
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 |
| 20 | 20 |
| 21 | 21 |
| 22 | 22 |
| 23 | 23 |
| 24 | 24 |
| 25 | 25 |
| 26 | 26 |
| 27 | 27 |
| 28 | 28 |
| 29 | 29 |
| 30 | 30 |
| 31 | 31 |
| 32 | 32 |
| 33 | 33 |
| 34 | 34 |
| 35 | 35 |
| 36 | 36 |
| 37 | 37 |
| 38 | 38 |
| 39 | 39 |
| 40 | 40 |
| 41 | 41 |
| 42 | 42 |
| 43 | 43 |
| 44 | 44 |
| 45 | 45 |
| 46 | 46 |
| 47 | 47 |
| 48 | 48 |
| 49 | 49 |
| 50 | 50 |
| 51 | 51 |
| 52 | 52 |
| 53 | 53 |
| 54 | 54 |
| 55 | 55 |
| 56 | 56 |
| 57 | 57 |
| 58 | 58 |
| 59 | 59 |
| 60 | 60 |
| 61 | 61 |
| 62 | 62 |
| 63 | 63 |
| 64 | 64 |
| 65 | 65 |
| 66 | 66 |
| 67 | 67 |
| 68 | 68 |
| 69 | 69 |
| 70 | 70 |
| 71 | 71 |
| 72 | 72 |
| 73 | 73 |
| 74 | 74 |
| 75 | 75 |
| 76 | 76 |
| 77 | 77 |
| 78 | 78 |
| 79 | 79 |
| 80 | 80 |
| 81 | 81 |
| 82 | 82 |
| 83 | 83 |
| 84 | 84 |
| 85 | 85 |
| 86 | 86 |
| 87 | 87 |
| 88 | 88 |
| 89 | 89 |
| 90 | 90 |
| 91 | 91 |
| 92 | 92 |
| 93 | 93 |
| 94 | 94 |
| 95 | 95 |
| 96 | 96 |
| 97 | 97 |
| 98 | 98 |
| 99 | 99 |
| 100 | 100 |

PART DESCRIPTION

FUNCTIONAL APPLICATION

| ENVIRONMENT | RATE | LIMIT | YOU CONT | PROFES |
|-------------|------|-------|----------|--------|
| 1 | 10 | 10 | 10 | 10 |
| 2 | 20 | 20 | 20 | 20 |
| 3 | 30 | 30 | 30 | 30 |
| 4 | 40 | 40 | 40 | 40 |
| 5 | 50 | 50 | 50 | 50 |
| 6 | 60 | 60 | 60 | 60 |
| 7 | 70 | 70 | 70 | 70 |
| 8 | 80 | 80 | 80 | 80 |
| 9 | 90 | 90 | 90 | 90 |
| 10 | 100 | 100 | 100 | 100 |

| PK | OF DATA | INDEX | CROSS |
|-----|---------|-------|-------|
| RPT | SRCE | REF | NO |
| 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 |
| 10 | 10 | 10 | 10 |
| 11 | 11 | 11 | 11 |
| 12 | 12 | 12 | 12 |
| 13 | 13 | 13 | 13 |
| 14 | 14 | 14 | 14 |
| 15 | 15 | 15 | 15 |
| 16 | 16 | 16 | 16 |
| 17 | 17 | 17 | 17 |
| 18 | 18 | 18 | 18 |
| 19 | 19 | 19 | 19 |
| 20 | 20 | 20 | 20 |
| 21 | 21 | 21 | 21 |
| 22 | 22 | 22 | 22 |
| 23 | 23 | 23 | 23 |
| 24 | 24 | 24 | 24 |
| 25 | 25 | 25 | 25 |
| 26 | 26 | 26 | 26 |
| 27 | 27 | 27 | 27 |
| 28 | 28 | 28 | 28 |
| 29 | 29 | 29 | 29 |
| 30 | 30 | 30 | 30 |
| 31 | 31 | 31 | 31 |
| 32 | 32 | 32 | 32 |
| 33 | 33 | 33 | 33 |
| 34 | 34 | 34 | 34 |
| 35 | 35 | 35 | 35 |
| 36 | 36 | 36 | 36 |
| 37 | 37 | 37 | 37 |
| 38 | 38 | 38 | 38 |
| 39 | 39 | 39 | 39 |
| 40 | 40 | 40 | 40 |
| 41 | 41 | 41 | 41 |
| 42 | 42 | 42 | 42 |
| 43 | 43 | 43 | 43 |
| 44 | 44 | 44 | 44 |
| 45 | 45 | 45 | 45 |
| 46 | 46 | 46 | 46 |
| 47 | 47 | 47 | 47 |
| 48 | 48 | 48 | 48 |
| 49 | 49 | 49 | 49 |
| 50 | 50 | 50 | 50 |
| 51 | 51 | 51 | 51 |
| 52 | 52 | 52 | 52 |
| 53 | 53 | 53 | 53 |
| 54 | 54 | 54 | 54 |
| 55 | 55 | 55 | 55 |
| 56 | 56 | 56 | 56 |
| 57 | 57 | 57 | 57 |
| 58 | 58 | 58 | 58 |
| 59 | 59 | 59 | 59 |
| 60 | 60 | 60 | 60 |
| 61 | 61 | 61 | 61 |
| 62 | 62 | 62 | 62 |
| 63 | 63 | 63 | 63 |
| 64 | 64 | 64 | 64 |
| 65 | 65 | 65 | 65 |
| 66 | 66 | 66 | 66 |
| 67 | 67 | 67 | 67 |
| 68 | 68 | 68 | 68 |
| 69 | 69 | 69 | 69 |
| 70 | 70 | 70 | 70 |
| 71 | 71 | 71 | 71 |
| 72 | 72 | 72 | 72 |
| 73 | 73 | 73 | 73 |
| 74 | 74 | 74 | 74 |
| 75 | 75 | 75 | 75 |
| 76 | 76 | 76 | 76 |
| 77 | 77 | 77 | 77 |
| 78 | 78 | 78 | 78 |
| 79 | 79 | 79 | 79 |
| 80 | 80 | 80 | 80 |
| 81 | 81 | 81 | 81 |
| 82 | 82 | 82 | 82 |
| 83 | 83 | 83 | 83 |
| 84 | 84 | 84 | 84 |
| 85 | 85 | 85 | 85 |
| 86 | 86 | 86 | 86 |
| 87 | 87 | 87 | 87 |
| 88 | 88 | 88 | 88 |
| 89 | 89 | 89 | 89 |
| 90 | 90 | 90 | 90 |
| 91 | 91 | 91 | 91 |
| 92 | 92 | 92 | 92 |
| 93 | 93 | 93 | 93 |
| 94 | 94 | 94 | 94 |
| 95 | 95 | 95 | 95 |
| 96 | 96 | 96 | 96 |
| 97 | 97 | 97 | 97 |
| 98 | 98 | 98 | 98 |
| 99 | 99 | 99 | 99 |
| 100 | 100 | 100 | 100 |

10. BUSHINGS

DOCR. AFM. CCCR. HYDRAULIC. FORWARD-
CARGO

| | | | | |
|---------|---------|-----|------|------------------|
| 315.436 | 382.985 | 100 | .149 | 63 1114 22344000 |
|---------|---------|-----|------|------------------|

TIP-CRAKE
CLEAR-VISION-WINDSHIELD
CLEAR-VISION-WINDSHIELD

| | | | | | | |
|---------|---------|-----|--------|----|------|-----------|
| 1515.15 | 5893.48 | 6 | .00066 | 62 | 1157 | 22346000 |
| * | 27.9917 | 150 | .08226 | 66 | 1250 | 22348000A |
| * | 46.5736 | 56 | .04944 | 65 | 1227 | 22359000 |

.12 CONTACTS

(39VX015)

| * # | •C75798 | 30.378 | 66 252 | 22352000A |
|-----|---------|--------|--------|-----------|
| | | | | |

.16 CLIPS AND HOLDERS

TENSTEP-SPRING
RECHARGER-HOSE-STRA
INTERCOSTAL-20MM-GUN
ROPE-COOR.MECHANICAL
ROPE-COOR.MECHANICAL
ROPE-LACR.MECHANICAL
ROPE-COOR.MECHANICAL
ROPE-COOR.MECHANICAL
FIRING-PIN-20MM-GUN

| | | | | | | |
|-----|---------|----------|--------|----|------|----------|
| # | | 144.363 | .01595 | 64 | 1180 | 22354000 |
| 4 | | 4.94672 | 400 | 65 | 1190 | 22356000 |
| 3 | 3.3333R | 12.9658R | 6 | 64 | 1134 | 22358000 |
| 5 | 5.72885 | 15.2453 | 300 | 65 | 1198 | 22360000 |
| 21 | 21.7391 | 64.5586 | 204 | 64 | 1114 | 22362000 |
| 22 | 22.7272 | 60.4806 | 102 | 63 | 1114 | 22364000 |
| 23 | 23.6387 | 52.642 | 50 | 65 | 1198 | 22366000 |
| 212 | 212.364 | 292.075 | 50 | 63 | 1198 | 22368000 |
| 240 | | 330.084 | 50 | 63 | 1114 | 22370000 |
| 30R | | 66.808R | 2 | 64 | 1134 | 22372000 |

TURNER, J-E5

| | | | |
|---------|---------|--------|------------------|
| 20 | 11.194 | .03 | 62 1012 22378000 |
| 58-9043 | 103.397 | .10186 | 64 1179 22380000 |

53-J-25

| | | | | | | |
|--------|---------|-----|--------|----|------|----------|
| 198-15 | 230-532 | 946 | -22856 | 65 | 1228 | 22382000 |
|--------|---------|-----|--------|----|------|----------|

ELECTRICAL-POWER-SYSTEM

| | | | | | |
|---|---------|--------|----|------|-----------|
| * | 2952.05 | .00078 | 64 | 1180 | 22384000 |
| * | 32.8052 | .07019 | 64 | 1180 | 22384002 |
| * | 41.5631 | .0554 | 66 | 1231 | 223880000 |
| * | 88.2222 | .0261 | 65 | 1199 | 223900000 |
| * | 93.1472 | .02472 | 65 | 1227 | 223920000 |

HOLDERS-FUSE-POST-TYPE

| | | | | | | |
|--------|--------|------|----|----|------|----------|
| 083333 | 146279 | 9446 | 72 | 64 | 1210 | 2239AC00 |
| 02 | | | | 83 | 1138 | 22399010 |

HOLDERS-LAMP

| | | | | |
|---------|--------|----|------|----------|
| 1137.08 | .00159 | 64 | 1180 | 22390000 |
| 271.213 | .00148 | 64 | 1180 | 22400000 |

HOLDERS - LIGHT

| | | | | |
|--------|---------|--------|---------|----------|
| 2-2491 | 8-21515 | 57.612 | 64 1210 | 22402050 |
| 2-2491 | 8-21515 | 7696 | 64 1210 | 22402050 |
| 2-2491 | 8-21515 | 7696 | 64 1210 | 22402050 |

HOLDERS-FUSE.

[illegible]

ELECTRICAL-POWER-SYSTEM

0X1000077 AC71 90 E1140° 01 6E8F.CC *

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 351 HARDWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA RPT SRCE REF NO | CROSS INDEX |
|---------------------------------|------------------------------------|------------------------|-------------|--------------|---------------------|-----------------|------------|----------------------------|----------------|
| PART DESCRIPTION | | | | | | | | | |
| .45 DIALS AND KNOBS | | | | | | | | | |
| KNBS | CONTROL-SWITCH-AILERON-TRIM-SYSTEM | AIR | * | * | 46.5736 | 96 | .04944 | 65 | 1227 22410000 |
| KNBS | SELECTOR-SWITCH-INTERCOM-SYSTEM | AIR | * | * | 9.31472 | 480 | .2472 | 65 | 1227 22412000 |
| KNBS | CONTROL-SWITCH-ROUDDER-TRIM-SYSTEM | AIR | * | * | 46.5736 | 96 | .04944 | 65 | 1227 22414000 |
| KNBS | SELECTOR-SWITCH | AIR | * | * | 55.9834 | 76 | .04113 | 66 | 1250 22416000A |
| DC-POWER-SYSTEM-INSTRUMENTATION | | | | | | | | | |
| KNBS | SELECTOR-SWITCH-DC-POWER-SYS-INST | AIR | * | * | 93.1472 | 48 | .02472 | 65 | 1227 22418000 |
| KNBS | SELECTOR-SWITCH-AC-POWER-SYS-INST | AIR | * | * | 46.5736 | 96 | .04944 | 65 | 1227 22420000 |
| KNBS | CONTROL-ROUDDER-TRIM-TAB-ASSEMBLY | AIR | * | * | 19.7868 | 100 | .11637 | 65 | 1198 22422000 |
| KNBS | CONTROL-ROUDDER-TRIM-TAB-ASSEMBLY | AIR | * | * | 11.6434 | 384 | .19776 | 65 | 1227 22424000 |
| KNBS | CONTROL-ROUDDER-TRIM-TAB-ASSEMBLY | AIR | * | * | 93.1472 | 48 | .02472 | 65 | 1227 22426000 |
| KNBS | CONTROL-SWITCH-RAIN-REMOVAL-SYSTEM | AIR | * | * | 27.9917 | 152 | .08226 | 66 | 1250 22428000A |
| KNBS | CONTROL-SWITCH-ROUDDER-TRIM-SYSTEM | AIR | * | * | 55.9834 | 76 | .04113 | 66 | 1250 22430000A |
| START/STOP-SWITCH | | | | | | | | | |
| KNBS | ALILIARY-POWER-UNIT | AIR | * | * | 27.9917 | 152 | .08226 | 66 | 1250 22432000A |
| KNBS | CONTROL-SWITCH-AILERON-TRIM-SYSTEM | LAB | * | .075 | 9.45708 | 760 | .4113 | 66 | 1250 22434000 |
| KNBS | SELECTOR-SWITCH-INTERCOM-SYSTEM | AIR | * | 2.43131 | 47.2854 | 152 | .08226 | 66 | 1250 22436000 |
| KNBS | SELECTOR-SWITCH | AIR | * | 12.1565 | | | | | |
| AC-POWER-SYSTEM-INSTRUMENTATION | | | | | | | | | |
| KNBS | CONTROL-ROUDDER-TRIM-TAB-ASSEMBLY | AIR | * | 12.156 | 24.2965 | 608 | .329 | 66 | 1250 22440000 |
| KNBS | CONTROL-ROUDDER-TRIM-TAB-ASSEMBLY | AIR | * | 24.3131 | 94.5708 | 76 | .04113 | 66 | 1250 22442000A |
| KNBS | START/STOP-SWITCH-ALX-POWER-UNIT | AIR | * | 4.45 | 157.35 | 48 | .02472 | 65 | 1227 22444000 |
| KNBS | CONTROL-LIGHTING-SYSTEM | AIR | * | 49.2645 | 57.6366 | 850 | 1.4412 | 63 | 1198 22446000 |
| KNBS | CONTROL-LIGHTING-SYSTEM | AIR | * | 55.7299 | 65.2009 | 850 | 1.274 | 63 | 1114 22448000 |
| KNBS | CONTROL-LIGHTING-SYSTEM | AIR | * | 58.2907 | 77.6987 | 600 | 1.5229 | 63 | 1198 22450000 |
| KNBS | FUEL-SELECTOR | AIR | * | 70.4697 | 64.5781 | 775 | .298 | 63 | 1111 22452000 |
| KNBS | SELECTOR-INTERCOM-SYSTEM | AIR | * | 85.9328 | 132.393 | 100 | .11637 | 65 | 1198 22454000 |
| KNBS | CONTROL-LIGHTING-SYSTEM | AIR | * | 91.5958 | 104.703 | 1224 | 1.059 | 63 | 1114 22456000 |
| KNBS | ROTARY-SWITCH-AC-POWER-SUPPLY | AIR | * | 133.333 | 354.82 | 68 | .015 | 63 | 1114 22458000 |
| KNBS | CONTROL-LIGHTING-SYSTEM | AIR | * | 133.333 | 354.82 | 68 | .015 | 63 | 1114 22460000 |
| KNBS | ROTARY-SWITCH-DC-POWER-SUPPLY | AIR | * | 257.798 | 325.252 | 100 | .11637 | 65 | 1198 22462000 |
| KNBS | CONTROL-INTERIOR-LIGHTING-SYSTEM | AIR | * | 323.624 | 525.675 | 48 | .02472 | 65 | 1227 22464000 |
| KNBS | CONTROL-PUSH-PULL-OUTLET | AIR | * | 466.666 | 601.332 | 155 | .06 | 63 | 1111 22466000 |
| KNBS | ROTARY-SWITCH-DC-POWER-SUPPLY | AIR | * | 677.666 | 781.238 | 50 | .12691 | 65 | 1198 22468000 |
| KNBS | ROTARY-SWITCH-AC-POWER-SUPPLY | AIR | * | 906.666 | 1.64.48 | 50 | .075 | 63 | 1114 22470000 |
| KNBS | ROTARY-SWITCH-AC-POWER-SUPPLY | AIR | * | 976.667 | 1162.44 | 100 | .11637 | 65 | 1198 22472000 |
| KNBS | ROTARY-SWITCH-AC-POWER-SUPPLY | AIR | * | 945.591 | 1086.06 | 50 | .12691 | 65 | 1198 22474000 |
| KNBS | CONTROL-LIGHTING-SYSTEM | AIR | * | 962.447 | 1089.79 | 100 | .11637 | 65 | 1198 22476000 |
| KNBS | ROTARY-SWITCH-DC-POWER-SUPPLY | AIR | * | 965.909 | 1114.52 | 102 | .088 | 63 | 1114 22478000 |
| KNBS | ROTARY-SWITCH-AC-POWER-SUPPLY | AIR | * | 1037.98 | 1194.66 | 50 | .08478 | 63 | 1198 22480000 |
| KNBS | ROTARY-SWITCH-AC-POWER-SUPPLY | AIR | * | 1318.18 | 1489.3 | 102 | .088 | 63 | 1114 22482000 |
| KNBS | ROTARY-SWITCH-DC-POWER-SUPPLY | AIR | * | 1627.14 | 1820.08 | 50 | .08478 | 63 | 1198 22484000 |
| KNBS | ROTARY-SWITCH-DC-POWER-SUPPLY | AIR | * | 1800 | 2015.24 | 50 | .075 | 63 | 1114 22486000 |
| KNBS | INTERIOR-LIGHTING-SYSTEM | AIR | * | 2990.51 | 3366.58 | 76 | .04113 | 66 | 1250 22488000 |
| KNBS | ANTI-G-SUIT | AIR | * | 965531 | 10.0752 | 946 | .22854 | 65 | 1228 22490000 |
| KNBS | CONTROL | AIR | * | | 3.75562 | 1194 | .0357 | 67 | 1272 22492000 |
| KNBS | PRESS-TO-TEST | AIR | * | | | | | | |
| KNBS | PRESS-TO-TEST | AIR | * | | | | | | |
| KNBS | ANTI-G-SUIT | AIR | * | | | | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

JANUARY 1968

[illegible]

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1: FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 3-1 HARDWARE

PART DESCRIPTION

42 LATCHES

| FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOUR | YR RPT SRCE REF NO | CROSS INDEX |
|---|-------------|--------------|---------------------|-------------------|-----------|--------------------|-------------|
| | | | | | | | |
| DOOR-HYDRAULIC-FORWARD-CARGO | AIR | * | 116 | 100 | .01985 | 65 1129 | 22650000 |
| BATTERY-BOX-DC-POWER-SUPPLY | AIR | * | 18.6596 | 228 | .1234 | 66 1250 | 22652000A |
| HOLD-OPEN-DOOR-MECHANICAL-PERSONNEL-CARGO-COMPARTMENT | AIR | * | 46.5736 | 96 | .04944 | 65 1227 | 22654000 |
| DOOR-MAIN-LANDING-GEAR-OUTBOARD | AIR | * | 27.9917 | 152 | .08226 | 66 1250 | 22656000 |
| DOOR-EMERGENCY-FORWARD-ESCAPE-HATCH | AIR | * | 46.5736 | 96 | .04944 | 65 1227 | 22658000 |
| STRAINER-CAP-FUEL-FILTRATION | AIR | * | 13.1336 | 812 | .17332 | 64 1179 | 22660000 |
| LIFE-KAFT/RADIO-SURVIVAL-EQUIPMENT | AIR | * | 3.29776 | 600 | .69823 | 65 1198 | 22662000 |
| DOOR-EMERGENCY-ESCAPE-HATCH-CARGO-COMPARTMENT | AIR | * | 93.1472 | 48 | .02472 | 65 1227 | 22664000 |
| CLOSED-POSITION-DOOR-HYO-PRESSURE | AIR | * | 93.1472 | 48 | .02472 | 65 1227 | 22666000 |
| DOOR-TIE-BOX-HORIZONTAL-STABILIZER-EMPENNAGE | AIR | * | 55.9834 | 76 | .04113 | 66 1250 | 22668000 |
| DOOR-TIE-BOX-HORIZ-STAB-EMPENNAGE | AIR | * | 93.1472 | 48 | .02472 | 65 1227 | 22670000 |
| DOOR-EMERGENCY-AFT-ESCAPE-HATCH-CARGO-COMPARTMENT | AIR | * | 55.9834 | 76 | .04113 | 66 1230 | 22672000 |
| DOOR-EMERGENCY-FWD-EXIT-OP | AIR | * | 19.7868 | 100 | .11637 | 65 1198 | 22674000 |
| DOOR-EMERGENCY-FWD-ESCAPE-HATCH-CARGO-C | AIR | * | 93.1472 | 48 | .02472 | 65 1227 | 22676000 |
| DOOR-EMERGENCY-SIDE-EXIT | AIR | * | 23.2868 | 192 | .09828 | 65 1227 | 22678000 |
| DOOR-HYDRAULIC-CARGO-RAMP | AIR | * | 93.1472 | 48 | .02472 | 65 1227 | 22680000 |
| BATTERY-DC-POWER-SUPPLY | AIR | * | 9.89344 | 200 | .23274 | 65 1198 | 22682000 |
| DOOR-EMERGENCY-SIDE-EXIT | AIR | * | 13.9975 | 304 | .1645 | 66 1250 | 22684000A |
| DOOR-EMERGENCY-FORWARD-ESCAPE-HATCH-CARGO-COMPARTMENT | AIR | * | 55.9834 | 76 | .04113 | 66 1250 | 22686000 |
| DOOR-EMERGENCY-FORWARD-ESCAPE-HATCH | AIR | * | 27.9917 | 152 | .08226 | 66 1250 | 22688000 |
| DOOR-MECHANICAL-FORWARD-ENTRANCE | AIR | * | 93.1472 | 48 | .02472 | 65 1227 | 22690000 |
| DOOR-EMERGENCY-ESCAPE-HATCH-CARGO-COMPARTMENT | AIR | * | 55.9834 | 76 | .04113 | 66 1250 | 22692000 |
| DOOR-MAIN-LANDING-GEAR-OUTBOARD | AIR | * | 46.5736 | 96 | .04944 | 65 1227 | 22694000 |
| DOOR-THRUST-REVERSER-SYSTEM | AIR | * | 13.9975 | 304 | .1645 | 66 1250 | 22696000 |
| DOOR-HYDRAULIC-RAMP | AIR | * | 787898 | 500 | 1.2692 | 65 1198 | 22698000 |
| STRAINER-CAP-FUEL-FILTRATION | AIR | * | 565531 | 1194 | 1.0357 | 67 1272 | 22700000 |
| DOOR-HYDRAULIC-RAMP | AIR | * | 1.13378 | 1020 | .882 | 63 1114 | 22702000 |
| DOOR-HYDRAULIC-RAMP | AIR | * | 1.71865 | 1000 | 1.1637 | 65 1198 | 22704000 |
| HOLD-OPEN-DOOR-MECHANICAL-PARATROOP | AIR | * | 5.68181 | 204 | .116 | 63 1114 | 22706000 |
| DOOR-HYDRAULIC-FORWARD-CARGO | AIR | * | 5.90981 | 200 | .50763 | 65 1198 | 22708000 |
| LIFE-KAFT/RADIO-SURVIVAL-EQUIPMENT | AIR | * | 7.07714 | 250 | .4239 | 63 1198 | 22710000 |
| DOOR-EMERGENCY-FORWARD-EXIT-TOP | AIR | * | 7.8796 | 50 | .12691 | 65 1198 | 22712000 |
| HOLD-OPEN-DOOR-MECHANICAL-PARATROOP | AIR | * | 7.8796 | 100 | .25382 | 65 1198 | 22714000 |
| LIFE-KAFT/RADIO-SURVIVAL-EQUIPMENT | AIR | * | 8 | 290 | .375 | 63 1114 | 22716000 |
| DOOR-HYDRAULIC-FORWARD-CARGO | AIR | * | 8.49858 | 408 | .353 | 63 1114 | 22718000 |
| DOOR-EMERGENCY-AFT-EXIT-TOP | AIR | * | 8.59328 | 100 | .11637 | 65 1198 | 22720000 |
| ACTUATING-CYLINDER-DOOR-HYDRAULIC-RAMP | AIR | * | 8.59328 | 100 | .11637 | 65 1198 | 22722000 |

1986-1987

3c1 HARDWARE

FUNCTIONAL APPLICATION

-62 LATCHES

| PART CLASS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT RATE | FAILURE | UPPER LIMIT | 90 CONF | PART LATION | PART HOURS | YR | CROSS |
|------------|-------------------------------------|------------------------|------------------|---------|-------------|---------|-------------|------------|---------|----------------|
| | | | | | | | | | OF DATA | INDEX |
| | | | | | | | | | RPT SRC | REF NO |
| | STRAINER-CAP. FUEL-FILTRATION | AIR | 8.7512 | 23.2882 | 946 | | | .22354 | 65 | 1258 227240000 |
| | DOOR. THRUST-REVERSE-SYSTEM | AIR | 10.1132 | 39.3375 | 192 | | | .99888 | 65 | 1257 227240000 |
| | DOOR. EMERGENCY-FORWARD-EXIT.TOP | AIR | 11.3436 | 44.2011 | 102 | | | .088 | 63 | 1114 227280000 |
| | HOLD-OPEN.DOOR.MECHANICAL-PARATR50P | AIR | 11.7932 | 31.3588 | 190 | | | .16926 | 63 | 1198 227300000 |
| | HOLD-OPEN.DOOR.MECHANICAL-PARATR50P | AIR | 12.8899 | 28.7049 | 200 | | | .23274 | 65 | 1198 227320000 |
| | HOLD-OPEN.DOOR.MECHANICAL-PARATR50P | AIR | 13.4228 | 35.7201 | 100 | | | .149 | 63 | 1114 227360000 |
| | ACTUATING-CYLINDER.DOOR.HYDRAULIC. | AIR | 15.7591 | 41.9375 | 50 | | | .12691 | 63 | 1198 227360000 |
| | RAMP | | | | | | | | | |
| | DOOR. MECHANICAL.CREW | AIR | 15.7591 | 41.9375 | 50 | | | .12691 | 65 | 1198 227380000 |
| | DOOR.CENL.ENGINE-NACELLE | AIR | 17.3377 | 23.8454 | 2016 | | | 1.0382 | 65 | 1227 227400000 |
| | LIFE-RFT/RADIO.SURVIVAL-EQUIPMENT | AIR | 17.7294 | 27.9849 | 200 | | | .50763 | 65 | 1193 227420000 |
| | LIFE-RFT/RADIO.SURVIVAL-EQUIPMENT | AIR | 19.83 | 33.3453 | 408 | | | .352 | 63 | 1114 227450000 |
| | ACTUATING-CYLINDER.DOOR.HYDRAULIC. | AIR | 22.7272 | 60.4806 | 102 | | | .088 | 63 | 1114 227460000 |
| | RAMP | | | | | | | | | |
| | DOOR.EMERGENCY.FORWARD-EXIT.TOP | AIR | 23.5904 | 62.7777 | 50 | | | .08478 | 63 | 1178 227480000 |
| | CLOSED-POSITION.DOOR.HYDRAULIC. | AIR | 24.3131 | 94.5708 | 76 | | | .04113 | 66 | 1250 227500000 |
| | PRESSURE | | | | | | | | | |
| | DOOR.MECHANICAL.FORWARD-ENTRANCE | AIR | 24.3131 | 94.5708 | 76 | | | .04113 | 66 | 1250 227520000 |
| | DOOR.HYDRAULIC.CARGO-RAMP | AIR | 24.3131 | 94.5708 | 76 | | | .04113 | 66 | 1250 227540000 |
| | DOOR.EMERGENCY.FORWARD-EXIT.TOP | AIR | 26.6686 | 70.564 | 50 | | | .075 | 63 | 1114 227560000 |
| | DOOR.HYDRAULIC.RAMP | AIR | 27.1293 | 35.9208 | 500 | | | .84779 | 63 | 1198 227580000 |
| | DOOR.HYDRAULIC.RAMP | AIR | 29.3724 | 39.1450 | 500 | | | .749 | 63 | 1114 227600000 |
| | DOOR.HYDRAULIC.FORWARD-CARGO | AIR | 32.4368 | 48.9447 | 200 | | | .33912 | 63 | 1198 227620000 |
| | DOOR.HYDRAULIC.FORWARD-CARGO | AIR | 33.4448 | 51.5272 | 200 | | | .299 | 63 | 1114 227640000 |
| | DOOR.COWL.ENGINE-NACELLE | AIR | 33.7016 | 35.9342 | 3344 | | | 1.81 | 66 | 1250 227660000 |
| | DOOR.MECHANICAL.CREW | AIR | 34.0909 | 75.9181 | 102 | | | .088 | 63 | 1114 227680000 |
| | DOOR.MECHANICAL.CREW | AIR | 40 | 89.0773 | 50 | | | .075 | 63 | 1114 227700000 |
| | ANTI-BOUNCE.20MM-GUN | GAD | 43R | 71.03R | 4 | | | .2R | 64 | 1134 227720000 |
| | DOOR.MECHANICAL.CREW | AIR | 47.1809 | 94.2857 | 50 | | | .08478 | 63 | 1198 227740000 |
| | DOOR.EMERGENCY.AFT-EXIT.TOP | AIR | 47.1809 | 94.2857 | 50 | | | .08478 | 63 | 1198 227760000 |
| | DOOR.EMERGENCY.AFT-EXIT.TOP | AIR | 53.3333 | 106.58 | 50 | | | .075 | 63 | 1114 227780000 |
| | DOOR.CARGO.MAIN.W/HARDWARE | HELI | 79.0513 | 210.367 | 80 | | | .0253 | 64 | 1257 227800000 |
| | DOOR.HYDRAULIC.PETAL | AIR | 80.9061 | 215.303 | 48 | | | .02472 | 65 | 1227 227820000 |
| | DOOR.BOMB | AIR | 83.3333 | 221.762 | 62 | | | .024 | 63 | 1111 227840000 |
| | ACTUATING-CYLINDER.DOOR.HYDRAULIC. | AIR | 94.3618 | 153.275 | 50 | | | .08478 | 5 | 1198 227860000 |
| | RAMP | | | | | | | | | |
| | ACTUATING-CYLINDER.DOOR.HYDRAULIC. | AIR | 106.666 | 173.262 | 50 | | | .075 | 63 | 1114 227880000 |
| | RAMP | | | | | | | | | |
| | DOOR.HYDRAULIC.PETAL | AIR | 121.565 | 225.497 | 76 | | | .04113 | 66 | 1250 2 |

NON-ELECTRONIC PART FAILURE RATE DATA

| | LAB | | | | | |
|-----------|----------|--|--|--|--|------------------|
| FEEDHORN | LAB | | | | | 63 1138 22058000 |
| | LAB | | | | | 63 1138 22860000 |
| STRAIN | AIR | | | | | 65 1198 22862000 |
| STRAIN | AIR | | | | | 65 1198 22862000 |
| STRAIN | AIR | | | | | 65 1114 22864000 |
| STRAIN | AIR | | | | | 65 1198 22866000 |
| STRAIN | AIR | | | | | 63 1114 22868000 |
| STRAIN | AIR | | | | | 63 1198 22870000 |
| VIBRATION | ENGINE | | | | | 65 1227 22872000 |
| VIBRATION | UPL. SC. | | | | | 65 1198 22874000 |
| VIBRATION | ENGINE | | | | | 66 1250 22876000 |

74 SWIMS, SPACERS, AND WASHERS

| SHIMS | AIR | * 11.1939 | 380 | .2057 | 66 1250 22878000 |
|------------------------------|-----|-----------|-----|-------|------------------|
| 000R-EMERGENCY-ESCAPE-HATCH. | | | | | |
| CARGO-COMPARTMENT | | | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 361 HARDWARE

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA INDEX | CROSS RPT SRCE REF NO |
|---------------------------------|---|-------------|--------------|---------------------|-------------------|------------|------------------|-----------------------|
| .74 SHIMS, SPACERS, AND WASHERS | | | | | | | | |
| SHIMS | DOOR-EMERGENCY-ESCAPE-HATCH-CARGO-COMPARTMENT | AIR | * | 10.6294 | 240 | .1236 | 65 | 1227 22880000 |
| SHIMS | STABILIZING-JACK-SYSTEM | LAB | .0012 | | | | 63 | 1138 22882000 |
| SPACER | STABILIZING-JACK-SYSTEM | AIR | * | 6.99878 | 608 | .329 | 66 | 1250 22884000 |
| SPACERS | TURBINE-FIRST/SECOND-STAGE | AIR | * | 11.6434 | 384 | .19775 | 65 | 1227 22884000 |
| SPACERS | POWER SECTION | AIR | 1.50413 | 3.34961 | 1716 | 1.9945 | 65 | 1201 22888000 |
| SPACERS | TURBINE-FIRST/SECOND-STAGE | AIR | 7.91264 | 17.6209 | 400 | .37914 | 65 | 1201 22890000 |
| SPACERS | POWER SECTION | GRD | 10R | 38.897R | 2 | .15 | 64 | 1134 22892000 |
| SPACERS-BEARING | CARRIER-REDUCTION-GEAR | AIR | 1.79079 | 6.96567 | 708 | .5841 | 65 | 1201 22894000 |
| SPACERS-BEARING | AXLE-WHEEL-MAIN-LANDING-GEAR | AIR | 10.7416 | 19.525 | 400 | .46348 | 65 | 1198 22894000 |
| SPACERS-FULCRUM-BEARING | LANDING-GEAR-NOSE | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 22898000 |
| WASHERS | HUB-SUN-GEAR-REDUCTION-GEAR | AIR | .501379 | 1.95021 | 1716 | 1.9945 | 65 | 1201 22900000 |
| WASHERS | BUFFER-LOADER-20MM-GUN | GRD | 55R | 82.9907R | 14 | .2R | 64 | 1134 22902000 |
| WASHERS-LAMINATED | PODDER-FLIGHT-CONTROL | AIR | * | 20.1905 | 473 | .11427 | 65 | 1228 22904000 |
| WASHERS-LAMINATED | RUDDER-FLIGHT-CONTROL | AIR | 3.46182 | 10.2768 | 592 | .51759 | 67 | 1272 22906000 |
| WASHERS-LOCK | RAM-HOUSING-20MM-GUN | GRD | 5R | 19.4495R | 14 | .2R | 64 | 1134 22908000 |
| WASHERS-RETAINING | BEARING-WHEEL-NOSE-LANDING-GEAR | AIR | * | 11.6434 | 384 | .15776 | 65 | 1227 22910000 |
| WASHERS-RETAINING-BEARING | WHEEL-NOSE-LANDING-GEAR | AIR | 3.03951 | 11.8227 | 608 | .329 | 66 | 1250 22912000A |
| WASHERS-TABLOCK | SAFETY-COUPLING-REDUCTION-GEAR | AIR | .062672 | .243777 | 13728 | 15.956 | 65 | 1201 22914000 |
| WASHERS-TABLOCK | SAFETY-COUPLING-REDUCTION-GEAR | AIR | 3.29696 | 1.28241 | 3200 | 3.0331 | 65 | 1201 22916000 |
| WASHERS-TABLOCK | ACCESSORY-DRIVE-GEAR | AIR | 1.50413 | 3.34961 | 1716 | 1.9945 | 65 | 1201 22918000 |
| WASHERS-TABLOCK | ALTERNATOR-DRIVE-REDUCTION-GEAR | AIR | 1.947 | 7.57325 | 528 | .51361 | 65 | 1201 22920000 |
| WASHERS-TABLOCK | TACHOMETER-DRIVE-REDUCTION-GEAR | AIR | 2.73059 | 10.6212 | 244 | .36622 | 65 | 1201 22922000 |

.77 SPRINGS

| | | | | | | | | |
|---|-----|---|---------|-----|--|--------|----|----------------|
| DOOR-EMERGENCY-SIDE-EXIT | AIR | * | 11.6434 | 384 | | .19776 | 65 | 1227 22924000 |
| CLEAR-VISION-WINDSHIELD | AIR | * | 13.9975 | 304 | | .1643 | 66 | 1250 22926000 |
| HOLD-IDLE-ENGINE-CONTROL-SYSTEM | AIR | * | 23.2868 | 192 | | .09888 | 65 | 1227 22928000 |
| RUDDER-SYSTEM | AIR | * | 20.1505 | 473 | | .11427 | 65 | 1228 22930000 |
| RELEASE-EMERGENCY-MAIN-LANDING-GEAR | AIR | * | 46.5736 | 96 | | .04944 | 65 | 1227 22932000 |
| LATCH-HOLD-OPEN-DOOR-MECHANICAL-PERSONNEL-CARGO-COMPARTMENT | AIR | * | 27.9917 | 152 | | .08226 | 66 | 1250 22934000A |
| DOOR-MECHANICAL-F51398 | AIR | * | 46.5736 | 96 | | .04944 | 65 | 1227 22936000 |
| RELIEF-LOAD-LANDING-GEAR-MAIN | AIR | * | 10.0752 | 946 | | .22854 | 65 | 1228 22938000 |
| UNLOCK-MAIN-LANDING-GEAR | AIR | * | 23.1719 | | | .09927 | 63 | 1123 22940000 |
| RETURN-BRAKE-PANEL-LANDING-GEAR | AIR | * | 19.7868 | 100 | | .11637 | 65 | 1198 22942000 |
| DETHLOCK-LANDING-GEAR-NOSE | AIR | * | 27.1505 | 473 | | .11427 | 65 | 1228 22944000 |
| LATCH-HOLD-OPEN-DOOR-MECHANICAL-PERSONNEL-C-C | AIR | * | 46.5736 | 96 | | .04944 | 65 | 1227 22946000 |
| CLEAR-VISION-WINDSHIELD | AIR | * | 23.2863 | 192 | | .09883 | 65 | 1227 22948000 |
| Q-RUDDER-TRIM-CONTROL | AIR | * | 64.3004 | 93 | | .63581 | 63 | 1111 22950000 |
| DOWN-LOCK-EMERGENCY-MAIN-LANDING-GEAR | AIR | * | 21.9917 | 152 | | .08226 | 66 | 1250 22952000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

PART CLASS 361 HARDWARE
PART DESCRIPTION

.77 SPRINGS

WHELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POSITION | PART HOURS | YR OF DATA INDEX | CROSS REF NO |
|---------------------------------------|-------------|--------------|---------------------|---------------|------------|------------------|----------------|
| DOOR-EMERGENCY-SIDE-EXIT | AIR | * | 6.55878 | 508 | .329 | 66 | 1250 22954000 |
| CAPSULE-INITIATOR-AIR-DROP-SYSTEM | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 22956000A |
| INDICATOR-CONTROL | GRD | * | 529.333 | | .00435 | 64 | 1180 22958000 |
| HOLD-LE-ENGINE-CONTROL-SYSTEM | AIR | * | 13.9575 | 304 | .1645 | 66 | 1250 22960000 |
| DOWN-LOCK-EMERGENCY | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 22962000 |
| MAIN-LANDING-GEAR | | | | | | | |
| CAPSULE-INITIATOR-AIR-DROP-SYSTEM | AIR | * | 55.1472 | 48 | .02472 | 65 | 1227 22964000 |
| | AIR | * | 8.4698 | | .27186 | 65 | 212 22966000 |
| | AIR | * | 192.847 | 31 | .01194 | 63 | 1111 22968000 |
| Q-ELEVATOR-CONTROL | AIR | * | 27.5917 | 152 | .08226 | 66 | 1250 22970000A |
| RELEASE-EMERGENCY-MAIN-LANDING-GEAR | AIR | * | 19.0752 | 946 | .22854 | 65 | 1228 22972000 |
| LOCK-CANOPY-INSTRUCTOR | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 22974000 |
| DOOR-EMERGENCY-FORWARD-ESCAPE-HATCH | AIR | * | 935.836 | | .00245 | 64 | 1180 22976000 |
| TILT-ARM | GRD | * | 93.1472 | 48 | .02472 | 65 | 1227 22978000 |
| FEEL-ARTIFICIAL | AIR | * | | | | | |
| RUDDER-CONTROL-SYSTEM | | | | | | | |
| FEEL-ARTIFICIAL-RODDER-CONTROL-SYSTEM | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 22980000 |
| DOOR-EMERGENCY-FORWARD-ESCAPE-HATCH | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 22982000A |
| SPLIT-GEAR | GRD | * | 93.2604 | | .02469 | 64 | 1180 22984000 |
| FEEL-ARTIFICIAL | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 22986000 |
| AILERON-CONTROL-SYSTEM | | | | | | | |
| BRAKE-PROPELLOR-REDUCTION-GEAR | LAB | 11 | 1.95021 | 1716 | 1.9945 | 63 | 1138 22988000 |
| RELIEF-VALVE-OIL-PRESSURE | AIR | 501379 | 1.95021 | 1716 | 1.9945 | 65 | 1201 22990000 |
| LANDING-GEAR-MAIN | AIR | 501379 | 3.75562 | 1194 | 1.0357 | 67 | 1272 22992000 |
| RELIEF-OVERLOAD-AILERON-SYSTEM | AIR | 965531 | 5.13884 | 1194 | 1.0357 | 67 | 1272 22994000 |
| CHECK-VALVE | AIR | 1.93106 | 4.00779 | 1716 | 1.9945 | 65 | 1201 22996000 |
| BRAKE-PROPELLOR-REDUCTION-GEAR | AIR | 2.00551 | 10.2592 | 400 | .37914 | 65 | 1201 23000000 |
| FAIRING-DOOR-THRUST-REVERSE-SYSTEM | AIR | 2.63754 | 8.44559 | 1536 | .79104 | 65 | 1227 23002000 |
| RELIEF-LOAD-MAIN-LANDING-GEAR | AIR | 3.79247 | 7.71801 | 1194 | 1.0357 | 67 | 1272 23004000 |
| BRAKE-LOWER-LEVER-LANDING-GEAR | AIR | 3.86212 | 16.7126 | 200 | .23274 | 65 | 1198 23006000 |
| LANDING-GEAR-MAIN | AIR | 4.29664 | 17.0197 | 946 | .22854 | 65 | 1228 23008000 |
| LOCK-CANOPY-STUDENT | AIR | 4.3756 | 17.0197 | 946 | .22854 | 65 | 1228 23010000 |
| | AIR | 4.3756 | 17.0197 | 946 | .22854 | 65 | 1228 23012000 |
| DETENT-THROTTLE-CONTROL | AIR | 5 | 15.1788 | 1624 | .35064 | 64 | 1179 23014000 |
| RELIEF-LOAD-LANDING-GEAR-MAIN | AIR | 5.70385 | 2.1862 | 812 | .17532 | 64 | 1179 23016000 |
| SUPPORT-ROLLER-DOOR-MECHANICAL | AIR | 6.07902 | 23.6455 | 304 | .1645 | 66 | 1250 23018000A |
| PERSONNEL-CARGO-COMPARTMENT | | | | | | | |
| DETENT-THROTTLE-CONTROL | AIR | 6.5634 | 14.4162 | 1892 | .45708 | 65 | 1228 23020000 |
| | AIR | 6.7 | | | | 66 | 215 23022000 |
| LOCK-CANOPY-STUDENT | AIR | 6.75071 | 11.3651 | 1194 | 1.0357 | 67 | 1272 23024000 |
| DETENT-THROTTLE-CONTROL | AIR | 8.68935 | 11.9309 | 2388 | 2.0715 | 67 | 1272 23026000 |
| JACK-PAD-MAIN-LANDING-GEAR | AIR | 8.7512 | 23.2882 | 946 | .22854 | 65 | 1228 23028000 |
| POSITION-CONTROL-ALI-RELEASE | AIR | 8.7512 | 34.0395 | 473 | .11427 | 65 | 1228 23030000 |
| LAND GEAR | | | | | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 361 HARDWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA INDEX | CROSS RPT SACE REF NO |
|--------------------------------------|--------------|------------------------|-------------|--------------|---------------------|-------------------|------------|------------------|-----------------------|
| PART DESCRIPTION | | | | | | | | | |
| .77 SPRINGS | | | | | | | | | |
| RETURN-CONTROL-ALT-RELEASE-LAND-GEAR | | AIR | | 8.7512 | 34.0395 | 473 | .11427 | 65 | 1228 23032000 |
| DAMPER-LOADER-20MM-GUN | | GRD | | 10R | 26.6115R | 14 | .2R | 64 | 1134 23034000 |
| SUPPORT-ROLLER-DOOR. | | AIR | | 1C.1132 | 39.3375 | 192 | .09888 | 65 | 1227 23036000 |
| MECHANICAL-PERSONNEL-C-C | | | | | | | | | |
| AILERON-SYSTEM-FLIGHT-CONTROL | | AIR | | 10.6208 | 16.026 | 1194 | 1.0357 | 67 | 1272 23038000 |
| RUDDER-SYSTEM | | AIR | | 11.4077 | 44.3725 | 406 | .08764 | 64 | 1179 23040000 |
| AILERON-SYSTEM-FLIGHT-CONTROL | | AIR | | 11.4077 | 30.3576 | 812 | .17532 | 64 | 1179 23042000 |
| LOCK-CANOPY-INSTRUCTOR | | AIR | | 11.4077 | 30.3576 | 812 | .17532 | 64 | 1179 23044000 |
| RETURN-CONTROL-ALT-RELEASE. | | AIR | | 11.5854 | 20.3365 | 597 | .51789 | 67 | 1272 23046000 |
| LANDING-GEAR | | | | | | | | | |
| OVERRIDE-AILERON-CONTROL-SYSTEM | | AIR | | 12.1565 | 47.2854 | 152 | .08226 | 66 | 1250 23048000 |
| LOCK-CANOPY-INSTRUCTOR | | AIR | | 12.5518 | 18.3054 | 1194 | 1.0357 | 67 | 1272 23050000 |
| FAIRING-DOOR-THRUST-REVERSER-SYSTEM | | AIR | | 12.9179 | 17.9377 | 2432 | 1.316 | 64 | 1250 23052000 |
| AILERON-SYSTEM-FLIGHT-CONTROL | | AIR | | 13.1268 | 29.2325 | 946 | .22854 | 65 | 1228 23054000 |
| RELIEF-OVERLOAD-AILERON-SYSTEM | | AIR | | 13.1268 | 29.2325 | 946 | .22854 | 65 | 1228 23056000 |
| RUDDER-SYSTEM | | AIR | | 19.3091 | 29.7488 | 597 | .51789 | 67 | 1272 23058000 |
| HOLD-FORWARD-OUTSIDE-20MM-GUN | | GRD | | 2R | 53.223R | 2 | .1R | 64 | 1134 23060000 |
| HOLD-FORWARD-INSIDE-20MM-GUN | | GRD | | 20R | 53.223R | 2 | .1R | 64 | 1134 23062000 |
| JACK-PAD-MAIN-LANDING-GEAR | | AIR | | 20.2761 | 27.2128 | 1194 | 1.0357 | 67 | 1272 23064000 |
| CHECK-VALVE-OIL-FILTER-POWER-SECTION | | AIR | | 21.1002 | 34.2741 | 400 | .37314 | 55 | 1201 23066000 |
| BRAKE-LOWER-LEVER-LANDING-GEAR | | AIR | | 22.7272 | 45.4178 | 204 | .176 | 63 | 1114 23068000 |
| LOCK-CANOPY-STUDENT | | AIR | | 22.8154 | 45.594 | 812 | .17532 | 64 | 1179 23070000 |
| RELIEF-OVERLOAD-AILERON-SYSTEM | | AIR | | 22.8154 | 45.594 | 812 | .17532 | 64 | 1179 23072000 |
| FEEL-ARTIFICIAL. | | AIR | | 24.3131 | 94.5708 | 76 | .04113 | 66 | 1250 23074000A |
| AILERON-CONTROL-SYSTEM | | | | | | | | | |
| FEEL-ARTIFICIAL. | | AIR | | 24.3131 | 94.5708 | 76 | .04113 | 66 | 1250 23076000 |
| ELEVATOR-CONTROL-SYSTEM | | | | | | | | | |
| DOWNLOCK-LANDING-GEAR-NOSE | | AIR | | 27.0327 | 38.6653 | 597 | .51789 | 67 | 1272 23078000 |
| FEEL-STABILIZER-HORIZONTAL | | AIR | | 27.0327 | 38.6653 | 597 | .51789 | 67 | 1272 23080000 |
| UPLOCK-DOOR-MECHANICAL-PARATROOP | | AIR | | 31.5183 | 51.1965 | 100 | .25282 | 65 | 1198 23082000 |
| UPLOCK-DOOR-MECHANICAL-PARATROOP | | AIR | | 34.0909 | 59.8414 | 204 | .176 | 63 | 1114 23084000 |
| UPLOCK-DOOR-MECHANICAL-PARATROOP | | AIR | | 34.3731 | 55.8335 | 200 | .23274 | 65 | 1198 23086000 |
| DRIVE-CANOPY-INSTRUCTOR | | AIR | | 35.0048 | 69.9531 | 473 | .11427 | 65 | 1228 23088000 |
| DOWNLOCK-LANDING-GEAR-NOSE | | AIR | | 45.6308 | 91.1881 | 406 | .03766 | 64 | 1179 23090000 |
| BRAKE-LOWER-LEVER-LANDING-GEAR | | AIR | | 51.2173 | 74.6905 | 100 | .25282 | 65 | 1198 23092000 |
| DRIVE-CANOPY-INSTRUCTOR | | AIR | | 52.1346 | 67.5032 | 597 | .51789 | 67 | 1272 23094000 |
| FEEL-STABILIZER-HORIZONTAL | | AIR | | 57.0365 | 105.803 | 406 | .08706 | 64 | 1179 23096000 |
| JETTISON-RELEASE-DRAG-CHUTE | | AIR | | 57.1426 | 152.065 | 320 | .035 | 61 | 1089 23098000A |
| BRAKE-LOWER-LEVER-LANDING-GEAR | | AIR | | 58.9761 | 90.8625 | 100 | .16956 | 63 | 1198 23100000 |
| BATTERY-SUMP-CONN-DC-POWER-SUPPLY | | AIR | | 64.5161 | 171.687 | 136 | .031 | 63 | 1114 23102000 |
| BRAKE-LOWER-LEVER-LANDING-GEAR | | AIR | | 67.114 | 103.4 | 100 | .149 | 63 | 1114 23104000 |
| UPLOCK-DOOR-MECHANICAL-PARATROOP | | AIR | | 70.7714 | 104.888 | 100 | .18956 | 63 | 1198 23106000 |
| UPLOCK-DOOR-MECHANICAL-PARATROOP | | AIR | | 73.8255 | 111.396 | 100 | .149 | 63 | 1114 23108000 |
| UPLOCK-DOOR-MECHANICAL-PARATROOP | | GRD | | 76.923 | 299.207 | 1194 | .013 | 62 | 1872 23110000 |
| DRIVE-CANOPY-STUDENT | | AIR | | 112.967 | 127.563 | 1194 | 1.0357 | 67 | 1272 23112000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 361 HARDWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA INDEX | CROSS RPT SRCE REF NO |
|------------------------------------|--------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------------|-----------------------|
| PART DESCRIPTION | | | | | | | | | |
| .77 SPRINGS | | | | | | | | | |
| DRIVE-CANOPY-INSTRUCTION | | | AIR | 114.077 | 175.754 | 486 | .08766 | 64 1179 | 23114000 |
| DRIVE-CANOPY-STUDENT | | | AIR | 125.484 | 167.238 | 812 | .17532 | 64 1179 | 23116000 |
| BATTERY-SUMP-CORN.DC-POWER-SUPPLY | | | AIR | 129.032 | 257.856 | 136 | .031 | 63 1114 | 23118000 |
| STRUT-LONGITUDINAL | | | HELI | 133.333 | 266.451 | 120 | .03 | 65 1215 | 23120000 |
| DIRECTION/CYCLE-TRIM | | | | | | | | | |
| FEEL-ARTIFICIAL | | | AIR | 161.812 | 323.363 | 48 | .02472 | 65 1227 | 23122000 |
| ELEVATOR-CONTROL-SYSTEM | | | | | | | | | |
| STRUT-DIRECTIONAL | | | HELI | 166.666 | 309.156 | 120 | .03 | 65 1215 | 23124000 |
| FEEL-STABILIZER-MECHANICAL | | | AIR | 175.024 | 236.677 | 473 | .11427 | 65 1226 | 23126000 |
| UPLOCK-DOOR-MECHANICAL-PARATROOP | | | AIR | 200 | 445.366 | 68 | .015 | 63 1114 | 23128000 |
| DRIVE-CANOPY-STUDENT | | | AIR | 223.155 | 268.788 | 946 | .22854 | 65 1228 | 23130000 |
| BATTERY-SUMP-CORN.DC-POWER-SUPPLY | | | AIR | 232.018 | 277.96 | 200 | .23274 | 65 1198 | 23132000 |
| DOOR-SUCK-IN-FUSELAGE | | | AIR | 259.525 | 297.987 | 1624 | .35064 | 64 1179 | 23134000 |
| AFT-CENTER-SECTION | | | | | | | | | |
| RETAINER-20MM-GUN | | | GRO | 266R | 312.587R | 4 | .2R | 64 1134 | 23136000 |
| LIFE-RAFT/RADIO-SURVIVAL-EQUIPMENT | | | AIR | 319.123 | 340.406 | 500 | 1.2691 | 65 1198 | 23138000 |
| LIFE-RAFT/RADIO-SURVIVAL-EQUIPMENT | | | AIR | 322.58 | 411.99 | 408 | .093 | 63 1114 | 23140000 |
| LATCH-20MM-GUN | | | GRO | 330R | 388.402R | 4 | .2R | 64 1134 | 23142000 |
| SEAR-LATCH-LOADER-20MM-GUN | | | GRO | 335R | 375.22R | 28 | .4R | 64 1134 | 23144000 |
| LIFE-RAFT/RADIO-SURVIVAL-EQUIPMENT | | | AIR | 425.361 | 458.768 | 600 | .69823 | 65 1198 | 23146000 |
| LIFE-RAFT/RADIO-SURVIVAL-EQUIPMENT | | | AIR | 439.967 | 470.621 | 500 | .84779 | 63 1198 | 23148000 |
| LIFE-RAFT/RADIO-SURVIVAL-EQUIPMENT | | | AIR | 445.578 | 475.785 | 1020 | .882 | 63 1114 | 23150000 |
| LIFE-RAFT/RADIO-SURVIVAL-EQUIPMENT | | | AIR | 447.243 | 480.233 | 500 | .749 | 63 1114 | 23152000 |
| DOOR-SUCK-IN-FUSELAGE | | | AIR | 461.984 | 481.692 | 2388 | 2.0715 | 67 1272 | 23154000 |
| AFT-CENTER-SECTION | | | | | | | | | |
| BRAKE-TIP | | | AIR | 9090.9 | 15937.7 | 6 | .00066 | 62 1157 | 23156000 |
| FLIGHT-CONTROLS-707-331 | | | AIR | 1CP | | | | 65 2361 | 23158000 |
| FLIGHT-CONTROLS-707-131B | | | AIR | 20P | | | | 65 2364 | 23160000 |
| FLIGHT-CONTROLS-707-331 | | | AIR | 20P | | | | 65 2361 | 23162000 |
| FLIGHT-CONTROLS-707-331 | | | AIR | 20P | | | | 66 2331 | 23164000 |
| FLIGHT-CONTROLS-707-331 | | | AIR | 30P | | | | 66 2362 | 23166000 |
| FLIGHT-CONTROLS-707-131 | | | AIR | 30P | | | | 66 2361 | 23168000 |
| FLIGHT-CONTROLS | | | AIR | 30P | | | | 65 2361 | 23170000 |
| FLIGHT-CONTROLS-707-131 | | | AIR | 30P | | | | 66 2361 | 23172000 |
| FLIGHT-CONTROLS-707-331 | | | AIR | 30P | | | | 66 2362 | 23174000 |
| FLIGHT-CONTROLS-707-331 | | | AIR | 60P | | | | 66 2364 | 23176000 |
| FLIGHT-CONTROLS-707-331 | | | AIR | 60P | | | | 66 2364 | 23178000 |
| PITCH-TRIM-ACTUATOR | | | AIR | 60P | | | | 66 2364 | 23180000 |
| STEERING-SYSTEM | | | AIR | * | 93.1472 | 48 | .02472 | 65 1227 | 23182000 |
| PITCH-TRIM-ACTUATOR | | | AIR | * | 48.2219 | 124 | .04775 | 63 1111 | 23184000 |
| AILERON | | | AIR | 24.3131 | 94.5708 | 76 | .04113 | 66 1250 | 23186000A |
| | | | AIR | 27.027 | 60.1873 | 640 | .111 | 61 1080 | 23188000A |
| | | | MSL | * | 6772.35 | 671 | .00034 | 64 1143 | 23190000A |
| | | | MSL | * | 230260 | 14 | .00001 | 64 1143 | 23192000A |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 261 HARDWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POPULATION | PART HOURS | YR OF DATA INDEX | CROSS REF NO |
|--------------------------------|--------------|--|-------------|--------------|-------------|-----------------|------------|------------------|----------------|
| PART DESCRIPTION | | | | | | | | | |
| .77 SPRINGS | | | | | | | | | |
| CRITICAL-T8-CALIBRATION | | | LAR | .22 | | | | 63 | 1138 23194000 |
| CRITICAL-T8-CALIBRATION | | | AIR | 10 | | | | 61 | 1038 23196000 |
| CRITICAL-T8-CALIBRATION | | | AIR GND | 135.338 | 126.137 | | .133 | 61 | 1287 23195000 |
| FLAT-MOUNTED | | | GND | * | 541.788 | | .90425 | 64 | 1180 23200000 |
| FS0358 | | | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 23202000A |
| HELICAL-COMPRESSION | | | GND | * | 35.7682 | | .06539 | 64 | 1180 23204000 |
| HELICAL-TORSION | | | GND | * | 468.961 | | .00491 | 64 | 1180 23206000 |
| LIQUID | | | AIR | 40.2495 | 107.11 | | .04989 | 63 | 1123 23208000 |
| LIQUID | | | HEL | 233.333 | 335.466 | 240 | .06 | 65 | 1215 23210000 |
| NEGATOR | | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 23212000A |
| NEGATOR | | | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 23214000 |
| NEGATOR | | | AIR | 12.1565 | 57.2854 | 152 | .08225 | 66 | 1250 23216000 |
| CARGO-COMPARTMENT | | | | | | | | | |
| NEGATOR | | | AIR | 60.6796 | 135.129 | 96 | .01944 | 65 | 1227 23218000 |
| NEGATOR-TORQUE-CONTROL | | | AIR | * | 6.78992 | 200 | .33912 | 63 | 1198 23220000 |
| NEGATOR-TORQUE-CONTROL | | | AIR | * | 4.53598 | 200 | .50763 | 65 | 1198 23222000 |
| NEGATOR-TORQUE-CONTROL | | | AIR | * | 4.94872 | 400 | .46548 | 65 | 1198 23224000 |
| OVERRIDE | | | AIR | * | 46.5733 | 96 | .04544 | 65 | 1227 23226000 |
| PHOSPHOR-BRONZE | | | GND | * | 18.2133 | | .02944 | 64 | 1180 23228000 |
| PIN | | | SHL MSL | * | 1524.3 | 3016 | .02151 | 65 | 1220 23230000A |
| Q-RUDDER-CONTROL | | | AIR | 220P | | | | 66 | 2361 23232000 |
| Q-RUDDER-CONTROL | | | AIR | 260P | | | | 66 | 2361 23234000 |
| Q-RUDDER-CONTROL | | | AIR | 260P | | | | 65 | 2361 23236000 |
| SIMPLE-RETURN-FORCE | | | LAB | .012 | | | | 63 | 1138 23238000 |
| SPIRAL-TORSION | | | GND | * | 541.788 | | .00425 | 64 | 1180 23240000 |
| .80 TERMINAL BOARDS AND STRIPS | | | | | | | | | |
| TERMINAL | | INTERPHONE-SUBSYSTEM-RADIO-SET-AN/ARC-57 | AIR | * | 1.10888 | 33 | 2.0765 | 62 | 2321 23242000 |
| TERMINAL | | COMMAND-SUB-SYSTEM-RADAR-SET-AN/ARC-57 | AIR | * | 2.42047 | 100 | .95130 | 62 | 2321 23244000 |
| TERMINAL-BOARD | | RADIO-ALTIMETER-SUBSYSTEM | AIR | * | 109.024 | 4 | .02112 | 62 | 2322 23246000 |
| TERMINAL-BOARD | | FLIGHT-CONTROL-SYSTEM | AIR | * | 35.948 | 5 | .06232 | 62 | 2323 23248000 |
| TERMINAL-BOARD | | STABILIZATION-SUBSYSTEM | AIR | 3.24591 | 12.6256 | 15 | .30803 | 62 | 2322 23250000 |
| TERMINAL-BOARD | | NAVIGATION-SUBSYSTEM | AIR | 5.79262 | 8.22259 | 111 | 2.5895 | 62 | 2322 23252000 |
| TERMINAL-BOARD | | ASTRO-TRACKER-SUBSYSTEM | AIR | 9.05715 | 35.2295 | 14 | .11041 | 62 | 2322 23254000 |
| TERMINAL-BOARD | | DOPPLER-RADAR-SUBSYSTEM | AIR | 17.6118 | 68.5047 | 6 | .05678 | 62 | 2322 23256000 |
| TERMINAL-BOARD | | SEARCH-RADAR-SUBSYSTEM | AIR | 46.375 | 103.274 | 6 | .06469 | 62 | 2322 23258000 |
| TERMINALS | | | AIR | * | 12.7215 | 99 | .181 | 62 | 1093 23260000 |
| TERMINALS | | | AIR | * | .637663 | 368 | 3.611 | 62 | 1093 23262000 |
| TERMINALS | | | AIR | * | 9.10118 | 77 | .253 | 62 | 1093 23264000 |
| TERMINALS | | | AIR | * | 71.9562 | 62 | .032 | 62 | 1093 23266000 |
| TERMINALS | | | AIR | * | 47.9709 | .048 | .048 | 62 | 1093 23268000 |
| TERMINALS | | | AIR | * | .5689 | 156 | 3.91 | 62 | 1093 23270000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 361 HARDWARE

PART DESCRIPTION FUNCTIONAL APPLICATION

.8C TERMINAL BOARDS AND STRIPS

| TERMINALS | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YB OF DATA RPT SRCE REF NO | GROSS INDEX |
|--------------------|-------------|--------------|---------------------|-----------------|------------|----------------------------|-------------|
| TERMINALS | AIR | * | 22.758 | 23 | .101 | 62 1093 | 23272000 |
| TERMINALS | AIR | * | 6.25706 | 14 | .368 | 62 1093 | 23274000 |
| TERMINALS | AIR | * | 46.3393 | 356 | .04969 | 63 1123 | 23276000 |
| TERMINALS | AIR | * | 3.39116 | 13 | .679 | 62 1093 | 23278000 |
| TERMINALS | AIR | * | 52.3318 | 13 | .044 | 62 1093 | 23280000 |
| TERMINALS | AIR | .41365 | .826634 | 1281 | 9.67 | 62 1093 | 23282000 |
| TERMINALS | AIR | 1.79079 | 6.96567 | 708 | .55841 | 65 1201 | 23284000 |
| TERMINALS | AIR | 7.52068 | 13.6755 | 1716 | 1.9945 | 65 1201 | 23286000 |
| TERMINALS | AIR | 8.57142 | 19.088 | 80 | .35 | 62 1093 | 23288000 |
| TERMINALS | AIR | 10.5263 | 40.9442 | 20 | .095 | 62 1093 | 23290000 |
| TERMINALS | AIR | 56.7536 | 220.754 | 64 | .01762 | 65 1201 | 23292000 |
| TERMINALS | GRD | 419.58 | 736.51 | | .0143 | 62 1141 | 23294000 |
| TERMINALS-BLOCK | AIR | 45.1147 | 60.5488 | 400 | .46548 | 65 1198 | 23296000 |
| TERMINALS-STANDOFF | LAB | .0005 | | | | 63 1138 | 23298000 |
| TERMINALS-STRIP | AIR | * | 4.23396 | 1056 | .54384 | 65 1227 | 23300000 |
| TERMINALS-STRIP | AIR | * | 93.1472 | 48 | .02472 | 65 1227 | 23302000 |
| TERMINALS-STRIP | AIR | * | 93.1472 | 48 | .02472 | 65 1227 | 23304000 |
| TERMINALS-STRIP | AIR | * | 55.9834 | 76 | .04113 | 66 1250 | 23306000 |
| TERMINALS-STRIP | AIR | * | 55.9834 | 76 | .04113 | 66 1250 | 23308000 |
| TERMINALS-STRIP | AIR | 1.10509 | 4.29848 | 1672 | .9049 | 66 1250 | 23310000 |
| TERMINALS-STRIP | AIR | 1.68354 | 6.55626 | 1152 | .59328 | 65 1227 | 23312000 |
| TERMINALS-STRIP | AIR | 15.7591 | 44.2011 | 102 | .088 | 63 1114 | 23314000 |
| TERMINALS-STRIP | AIR | 22.7272 | 60.4806 | 102 | .088 | 65 1198 | 23316000 |
| TERMINALS-STRIP | AIR | 25.7798 | 57.4099 | 100 | .11637 | 63 1114 | 23318000 |
| TERMINALS-STRIP | AIR | 31.5183 | 62.9859 | 50 | .12691 | 65 1198 | 23320000 |
| TERMINALS-STRIP | AIR | 34.3731 | 68.6908 | 100 | .11637 | 65 1198 | 23322000 |
| TERMINALS-STRIP | AIR | 165.133 | 237.414 | 50 | .08478 | 63 1198 | 23324000 |
| TERMINALS-STRIP | AIR | 173.333 | 252.772 | 50 | .075 | 63 1114 | 23326000 |
| TERMINALS-STRIP | AIR | 235.904 | 319.003 | 50 | .08470 | 63 1198 | 23328000 |
| TERMINALS-STRIP | AIR | 240 | 330.084 | 50 | .075 | 63 1114 | 23330000 |
| TERMINALS-STRIP | AIR | * | 23.1719 | | .09937 | 63 1123 | 23332000 |
| TERMINALS-STRIP | AIR | * | | | | | 23334000 |

.87 TERMINATIONS, WIRE

AC-POWER-SUPPLY-SYSTEM
EXHAUST-GAS-TEMPERATURE-INDICATING-SYSTEM
ENGINE-IGNITION-SYSTEM

| | | | | | | |
|-----|---------|---------|------|------|---------|----------|
| AIR | 2.71739 | 10.5698 | 1280 | .368 | 59 1110 | 23336000 |
| AIR | 27.027 | 105.127 | 128 | .037 | 59 1110 | 23338000 |
| AIR | 37.7358 | 61.2957 | 736 | .212 | 59 1110 | 23340000 |
| LAB | .05 | | | | 63 1138 | 23342000 |
| LAB | * | .004515 | | 510 | 64 2H6 | 23344000 |
| GRD | * | .261659 | | 8.80 | 64 2H6 | 23346000 |

BETWEEN-EQUIPMENT CONNECTIONS-BONDING CONNECTIONS-CRIMPED

ROME AIR DEVELOPMENT CENTER, CHIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 361 HARDWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LATENCY HOURS | YR OF DATA | CROSS INDEX |
|------------------------|--------------|-----------------------------|-------------|--------------|---------------------|-----------------|--------------------|-----------------|-------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE REF NO | |
| .87 TERMINATIONS, WIRE | | | | | | | | | |
| CONNECTIONS-CRIMPED | | NO-2-HYDRAULIC-SYSTEM | LAB | * | 191.883 | | .012 | 64 2H8 | 23348000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | GRD | * | .54564 | | 4.22 | 64 2H8 | 23350000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | GRD | * | .171836 | | 13.4 | 64 2H8 | 23352000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | GRD | * | .020933 | | 110 | 64 2H8 | 23354000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | GRD | * | .002481 | | 926 | 64 2H8 | 23356000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | GRD | * | .221404 | | 10.4 | 64 2H8 | 23358000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | LAB | * | 191.883 | | .012 | 64 2H8 | 23360000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | AIR | .0087 | | | | 64 2H8 | 23362000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | GRD | .01806 | .045923 | | 84.7 | 64 2H8 | 23364000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | GRD | .016086 | .028236 | | 373 | 64 2H8 | 23366000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | GRD | .024155 | .033954 | | 41.4 | 64 2H8 | 23368000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | GRD | .056818 | .12693 | | 52.8 | 64 2H8 | 23370000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | GRD | .125 | .486213 | | 8.00 | 64 2H8 | 23372000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | GRD | .013597 | .052849 | | 73.6 | 63 2H5 | 23374000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | AIR | * | 93.1472 | 48 | .02472 | 65 1227 | 23376000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | AIR | * | 93.1472 | 48 | .02472 | 65 1227 | 23378000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | AIR | * | 55.9634 | 76 | .04113 | 66 1250 | 23380000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | AIR | * | 55.9634 | 76 | .04113 | 66 1250 | 23382000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | AIR | * | 93.1472 | 48 | .02472 | 65 1227 | 23384000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | AIR | * | 55.9634 | 76 | .04113 | 66 1250 | 23386000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | AIR | * | 55.9634 | 76 | .04113 | 66 1250 | 23388000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | AIR | * | 93.1472 | 48 | .02472 | 65 1227 | 23390000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | AIR | 980.903 | 1038.95 | 597 | .51789 | 67 1272 | 23392000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | AIR | .0195 | | | 1128 | 63 2H5 | 23394000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | SAT | .23 | .340812 | | 52.174 | 63 2H5 | 23396000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | LAB | * | .008924 | 10756 | 258.03 | 66 1252 | 23398000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | AIR | * | .104664 | | 22.0 | 64 2H8 | 23400000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | LAB | * | .015771 | | 146 | 64 2H8 | 23402000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | LAB | * | 90.238 | | .0255 | 64 2H8 | 23404000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | SHP | * | .056854 | | 40.5 | 64 2H8 | 23406000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | GRD | * | .115709 | | 19.9 | 64 2H8 | 23408000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | LAB | * | 5.99635 | | .384 | 64 2H8 | 23410000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | GRD | * | .000192 | | 12000 | 64 2H8 | 23412000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | LAB | * | .030021 | | 76.7 | 64 2H8 | 23414000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | GRD | * | .024136 | | 95.4 | 64 2H8 | 23416000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | GRD | * | .014904 | | 154.5 | 64 2H8 | 23418000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | LAB | * | .181307 | | 12.7 | 64 2H8 | 23420000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | LAB | * | .899453 | | 2.56 | 64 2H8 | 23422000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | AIR | * | .174439 | | 13.2 | 64 2H8 | 23424000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | GRD | * | .015454 | | 149 | 64 2H8 | 23426000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | GRD | * | .053025 | | 43.4 | 64 2H8 | 23428000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | AIR | * | .01985 | | 116 | 64 2H8 | 23430000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | GRD | * | .002195 | | 1054 | 64 2H8 | 23432000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | LAB | * | .098374 | | 5.78 | 64 2H8 | 23434000 |
| CONNECTIONS-CRIMPED | | CONNECTIONS-GROUND-PRESSURE | LAB | * | 57.565 | | .04 | 64 2H8 | 23436000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

PART CLASS 361 HARDWARE
PART DESCRIPTION FUNCTIONAL APPLICATION

.87 TERMINATIONS, WIRE

NONELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|-------------|--------------|---------------------|-----------------|------------|------------|-------------|
| | | | | | RPT SRCE | REF NO |
| LAB | * | 1.27922 | | 1.8 | 64 2H9 | 23438000 |
| AIR | * | .504956 | | 4.56 | 64 2H8 | 23440000 |
| GRD | * | .056024 | | 41.1 | 64 2H8 | 23442000 |
| LAB | * | .002754 | | 83.5 | 64 2H8 | 23444000 |
| AIR | * | 15.0496 | | .153 | 64 2H8 | 23446000 |
| AIR | * | .024435 | | 42.3 | 64 2H8 | 23448000 |
| LAB | * | 18.4208 | | .125 | 64 2H8 | 23450000 |
| GRD | * | .019514 | | 1.18 | 64 2H8 | 23452000 |
| LAB | * | 1.66855 | | 1.38 | 64 2H8 | 23454000 |
| GRD | * | .015664 | | 147 | 64 2H8 | 23456000 |
| SHP | * | .760436 | | 3.028 | 64 2H8 | 23458000 |
| GRD | * | .071288 | | 32.3 | 64 2H8 | 23460000 |
| LAB | * | .453248 | | 5.08 | 64 2H8 | 23462000 |
| LAB | * | 17.8496 | | .129 | 64 2H8 | 23464000 |
| LAB | * | .00357 | | .645 | 64 2H8 | 23466000 |
| LAB | * | 32.8942 | | .07 | 64 2H8 | 23468000 |
| GRD | * | .003744 | | 615 | 64 2H8 | 23470000 |
| LAB | * | 3.69578 | | .623 | 64 2H8 | 23472000 |
| LAB | * | 4.97321 | | .463 | 64 2H8 | 23474000 |
| GRD | * | .191083 | | 12.0 | 64 2H8 | 23476000 |
| LAB | * | .13098 | | 17.3 | 64 2H8 | 23478000 |
| LAB | * | .47472 | | 1.56 | 64 2H8 | 23480000 |
| LAB | * | .822357 | | 2.8 | 64 2H8 | 23482000 |
| GRD | * | .019936 | | 115.5 | 64 2H8 | 23484000 |
| GRD | * | .026136 | | 88.1 | 64 2H8 | 23486000 |
| AIR | * | .174435 | | 13.2 | 64 2H8 | 23488000 |
| LAB | * | .051628 | | 44.6 | 64 2H8 | 23490000 |
| GRD | * | .001700 | | 3120 | 64 2H8 | 23492000 |
| GRD | * | .002166 | | 3650 | 64 2H8 | 23494000 |
| AIR | * | .001078 | | 911 | 64 2H8 | 23496000 |
| GRD | * | .002236 | | 39260 | 64 2H8 | 23498000 |
| GRD | * | .003971 | | 52130 | 64 2H8 | 23500000 |
| | * | .004367 | | 229 | 63 2H9 | 23502000 |
| | * | .0044 | | 12060 | 63 2H5 | 23504000 |
| AIR | * | .004854 | | 1040 | 64 2H8 | 23506000 |
| GRD | * | .005662 | | 17950 | 64 2H8 | 23508000 |
| SHP | * | .005016 | | 1496 | 64 2H8 | 23510000 |
| GRD | * | .007767 | | 515 | 64 2H8 | 23512000 |
| SHP | * | .0085 | | 829 | 64 2H8 | 23514000 |
| GRD | * | .010856 | | 2115 | 64 2H8 | 23516000 |
| GRD | * | .011348 | | 260 | 64 2H8 | 23518000 |
| GRD | * | .011538 | | 568.62 | 63 2H5 | 23520000 |
| | * | .012311 | | 330 | 64 2H8 | 23522000 |
| | * | .013158 | | 140 | 64 2H8 | 23524000 |
| | * | .014286 | | | 64 2H8 | 23526000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

T CLASS 361 HARDWARE

PART DESCRIPTION FUNCTIONAL APPLICATION

-87 TERMINATIONS, WIRE

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|-------------|--------------|---------------------|-------------------|------------|------------|-------------|
| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA | CROSS INDEX |
| AIR | .018403 | .040987 | 163 | 64 2H8 | 2352000 | |
| GRD | .015672 | .024578 | 1830 | 64 2H8 | 2353000 | |
| GRD | .022831 | .032409 | 657 | 64 2H8 | 23532000 | |
| GRD | .027754 | .035163 | 1153 | 64 2H8 | 23524000 | |
| AIR | .030025 | .043783 | 493 | 64 2H8 | 23536000 | |
| GRD | .030817 | .082098 | 64.9 | 54 2H8 | 23538000 | |
| AIR | .034159 | .038913 | 2986 | 64 2H8 | 23540000 | |
| GRD | .041078 | .052045 | 779 | 64 2H8 | 23542000 | |
| GRD | .041152 | .091643 | 72.9 | 64 2H8 | 23544000 | |
| LAB | .042735 | .166226 | 23.4 | 64 2H8 | 23546000 | |
| SHP | .049505 | .091829 | 101 | 64 2H8 | 23548000 | |
| GRD | .050611 | .064919 | 573 | 64 2H8 | 23550000 | |
| LAB | .067114 | .13412 | 59.6 | 64 2H8 | 23552000 | |
| GRD | .068702 | .09449 | 262 | 64 2H8 | 23554000 | |
| AIR | .07874 | .121312 | 127 | 64 2H8 | 23556000 | |
| LAB | .083102 | .185064 | 36.1 | 64 2H8 | 23558000 | |
| AIR | .098039 | .321343 | 10.2 | 64 2H8 | 23560000 | |
| LAB | .102881 | .400175 | 9.72 | 64 2H8 | 23562000 | |
| LAB | .136799 | .532107 | 7.31 | 64 2H8 | 23564000 | |
| LAB | .208333 | .810354 | 4.8 | 64 2H8 | 23566000 | |
| L-8 | .220751 | .358652 | 4.53 | 64 2H8 | 23568000 | |
| LAP | .271343 | .287554 | 1839 | 64 2H8 | 23570000 | |
| LAB | .33557 | .893003 | 5.96 | 64 2H8 | 23572000 | |
| LAB | .4 | | | 58 2H8 | 23574000 | |
| LAB | .473684 | .747684 | 19 | 64 2H8 | 23576000 | |
| LAB | .665188 | 1.18133 | 4.51 | 64 2H8 | 23578000 | |
| AIR | .780287 | .907988 | 97.4 | 64 2H8 | 23580000 | |
| GRD | .87108 | 1.6158 | 5.74 | 64 2H8 | 23582000 | |
| LAB | 1.47651 | 1.9678 | 14.9 | 64 2H8 | 23584000 | |
| AIR | 1.71526 | 6.67187 | .583 | 64 2H8 | 23586000 | |
| AIR | 2.10084 | 8.17163 | .476 | 64 2H8 | 23588000 | |
| LAB | 2.521 | 5.61411 | 1.19 | 64 2H8 | 23590000 | |
| LAB | 4.08921 | 6.17031 | 2.85 | 64 2H8 | 23592000 | |
| LAB | 5.95238 | 15.8401 | .336 | 64 2H8 | 23594000 | |
| LAB | 6.23053 | 16.5803 | .321 | 64 2H8 | 23596000 | |
| LAB | 6.41025 | 11.8906 | .280 | 64 2H8 | 23598000 | |
| LAB | 9.80392 | 15.1045 | 1.02 | 64 2H8 | 23600000 | |
| LAB | 14.245 | 21.9467 | .702 | 64 2H8 | 23602000 | |
| LAB | 22.864 | 31.1703 | .831 | 64 2H8 | 23604000 | |
| LAB | 24.6376 | 30.988 | 1.32 | 64 2H8 | 23606000 | |
| LAB | 31.8725 | 51.7717 | .251 | 64 2H8 | 23608000 | |
| LAB | 32 | 63.9464 | .125 | 64 2H8 | 23610000 | |
| LAB | 32.0512 | 71.376 | .0936 | 64 2H8 | 23612000 | |
| LAB | 40.1408 | 47.8514 | 1.42 | 64 2H8 | 23614000 | |
| LAB | 41.958 | 57.7065 | .429 | 64 2H8 | 23616000 | |

RMC AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 361 HARDWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | 90 CMF | PART POPU-- | PART | HOURS | YR | OF DATA | CROSS INDEX |
|-----------------------------|--------------|------------------------|-------------|--------------|-------------|--------|-------------|--------|-------|----|----------|-------------|
| PART DESCRIPTION | | | | | | | | | | | RPT SRCE | REF NO |
| .87 TERMINATIONS, WIRE | | | | | | | | | | | | |
| CONNECTIONS-SOLDERED | | | LAB | 115.609 | 125.84 | | | 2.05 | | 64 | 2H8 | 23618000 |
| CONNECTIONS-SOLDERED | | | LAB | 164.233 | 225.878 | | | .1096 | | 64 | 2H8 | 23620000 |
| CONNECTIONS-SOLDERED | | | LAB | 237.226 | 345.947 | | | .0548 | | 64 | 2H8 | 23622000 |
| CONNECTIONS-WELD-INSIDE.CP | | | | .010152 | .027017 | | | 197 | | 63 | 2H5 | 23624000 |
| CONNECTIONS-WELD-OUTSIDE.CP | | | | .008516 | .01432 | | | 822 | | 63 | 2H5 | 23626000 |
| CONNECTIONS-WELDED | | | LAB | * | .00701 | | | 299 | | 64 | 2H8 | 23628000 |
| CONNECTIONS-WELDED | | | LAB | * | 6.18978 | | | .372 | | 64 | 2H8 | 23630000 |
| CONNECTIONS-WELDED | | | GRD | * | .389611 | | | 5.91 | | 64 | 2H8 | 23632000 |
| CONNECTIONS-WELDED | | | LAB | * | .33371 | | | 6.9 | | 64 | 2H8 | 23634000 |
| CONNECTIONS-WELDED | | | LAB | * | 6.85257 | | | .36 | | 64 | 2H8 | 23636000 |
| CONNECTIONS-WELDED | | | LAB | * | 6.27411 | | | .367 | | 64 | 2H8 | 23638000 |
| CONNECTIONS-WELDED | | | AIR | * | .312853 | | | 7.36 | | 64 | 2H8 | 23640000 |
| CONNECTIONS-WELDED | | | GRD | * | .003337 | | | 690 | | 64 | 2H8 | 23642000 |
| CONNECTIONS-WELDED | | | LAB | * | 63.9611 | | | .036 | | 64 | 2H8 | 23644000 |
| CONNECTIONS-WELDED | | | LAB | * | 32.8942 | | | .07 | | 64 | 2H8 | 23646000 |
| CONNECTIONS-WELDED | | | LAB | * | 5.99635 | | | .384 | | 64 | 2H8 | 23648000 |
| CONNECTIONS-WELDED | | | LAB | * | .037997 | | | 60.6 | | 64 | 2H8 | 23650000 |
| CONNECTIONS-WELDED | | | LAB | * | .1588 | | | 14.5 | | 64 | 2H8 | 23652000 |
| CONNECTIONS-WELDED | | | LAB | * | .646798 | | | 3.56 | | 64 | 2H8 | 23654000 |
| CONNECTIONS-WELDED | | | LAB | * | 5.10354 | | | .451 | | 64 | 2H8 | 23656000 |
| CONNECTIONS-WELDED | | | AIR | * | 39.0271 | | | .059 | | 64 | 2H8 | 23658000 |
| CONNECTIONS-WELDED | | | AIR | * | .05924 | | | 39 | | 64 | 2H8 | 23660000 |
| CONNECTIONS-WELDED | | | LAB | * | 63.9611 | | | .036 | | 64 | 2H8 | 23662000 |
| CONNECTIONS-WELDED | | | LAB | * | 1.27215 | | | 1.81 | | 64 | 2H8 | 23664000 |
| CONNECTIONS-WELDED | | | LAB | * | 6.85297 | | | .336 | | 64 | 2H8 | 23666000 |
| CONNECTIONS-WELDED | | | LAB | * | 6.30849 | | | .365 | | 64 | 2H8 | 23668000 |
| CONNECTIONS-WELDED | | | LAB | * | 5.99635 | | | .384 | | 64 | 2H8 | 23670000 |
| CONNECTIONS-WELDED | | | LAB | * | 246.267 | | | .00935 | | 64 | 2H8 | 23672000 |
| CONNECTIONS-WELDED | | | LAB | * | 16.4471 | | | .14 | | 64 | 2H8 | 23674000 |
| CONNECTIONS-WELDED | | | AIR | * | 52.2318 | | | .044 | | 64 | 2H8 | 23676000 |
| CONNECTIONS-WELDED | | | LAB | * | 6.43184 | | | .358 | | 64 | 2H8 | 23678000 |
| CONNECTIONS-WELDED | | | LAB | * | 6.30849 | | | .365 | | 64 | 2H8 | 23680000 |
| CONNECTIONS-WELDED | | | LAB | * | 5.99635 | | | .384 | | 64 | 2H8 | 23682000 |
| CONNECTIONS-WELDED | | | LAB | * | 6.52294 | | | .353 | | 64 | 2H8 | 23684000 |
| CONNECTIONS-WELDED | | | LAB | * | 2.6018 | | | .885 | | 64 | 2H8 | 23686000 |
| CONNECTIONS-WELDED | | | LAB | * | 5.99635 | | | .384 | | 64 | 2H8 | 23688000 |
| CONNECTIONS-WELDED | | | LAB | * | 6.48619 | | | .355 | | 64 | 2H8 | 23690000 |
| CONNECTIONS-WELDED | | | LAB | * | 6.52294 | | | .353 | | 64 | 2H8 | 23692000 |
| CONNECTIONS-WELDED | | | LAB | * | 6.57885 | | | .35 | | 64 | 2H8 | 23694000 |
| CONNECTIONS-WELDED | | | LAB | * | 6.52294 | | | .353 | | 64 | 2H8 | 23696000 |
| CONNECTIONS-WELDED | | | LAB | * | 62.9611 | | | .046 | | 64 | 2H8 | 23698000 |
| CONNECTIONS-WELDED | | | LAB | * | 5.48238 | | | .42 | | 64 | 2H8 | 23700000 |
| CONNECTIONS-WELDED | | | LAB | * | 6.43184 | | | .358 | | 64 | 2H8 | 23702000 |
| CONNECTIONS-WELDED | | | LAB | * | 6.30849 | | | .365 | | 64 | 2H8 | 23704000 |
| CONNECTIONS-WELDED | | | LAB | * | 28.7825 | | | .08 | | 64 | 2H8 | 23706000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 361 HARDWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------------|--------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|-------------|
| PART DESCRIPTION | | | | | | | | RPT SRC | REF NO |
| .87 TERMINATIONS, WIRE | | | | | | | | | |
| CONNECTIONS-WELDED | | | LAB | * | 43.9611 | | .036 | 64 2H8 | 23708000 |
| CONNECTIONS-WELDED | | | GRD | .001866 | .004965 | | 1072 | 64 2H8 | 23710000 |
| CONNECTIONS-WELDED | | | LAB | .018293 | .040737 | | 164 | 64 2H8 | 23712000 |
| CONNECTIONS-WELDED | | | GRD | .022222 | .055137 | | 90 | 64 2H8 | 23714000 |
| CONNECTIONS-WELDED | | | AIR | .028571 | .111134 | | 35 | 64 2H8 | 23716000 |
| CONNECTIONS-WELDED | | | AIR | .079365 | .139313 | | 75.6 | 64 2H8 | 23718000 |
| CONNECTIONS-WELDED | | | AIR | .087977 | .15443 | | 68.2 | 64 2H8 | 23720000 |
| CONNECTIONS-WELDED | | | LAB | .121951 | .32453 | | 16.4 | 64 2H8 | 23722000 |
| CONNECTIONS-WELDED | | | LAB | .376344 | .541075 | | 37.2 | 64 2H8 | 23724000 |
| CONNECTIONS-WELDED | | | LAB | 1.16959 | 3.11245 | | 1.71 | 64 2H8 | 23726000 |
| CONNECTIONS-WELDED | | | LAB | 2.3622 | 5.26047 | | 1.27 | 64 2H8 | 23728000 |
| CONNECTIONS-WELDED | | | LAB | 2.5974 | 10.1031 | | .385 | 64 2H8 | 23730000 |
| CONNECTIONS-WELDED | | | LAB | 2.73972 | 10.6567 | | .365 | 64 2H8 | 23732000 |
| CONNECTIONS-WELDED | | | LAB | 2.83286 | 11.0189 | | .353 | 64 2H8 | 23734000 |
| CONNECTIONS-WELDED | | | LAB | 4.36681 | 16.9855 | | .229 | 64 2H8 | 23736000 |
| CONNECTIONS-WELDED | | | LAB | 5.2356 | 13.9327 | | .382 | 64 2H8 | 23738000 |
| CONNECTIONS-WELDED | | | LAB | 8.21917 | 18.3035 | | .365 | 64 2H8 | 23740000 |
| CONNECTIONS-WELDED | | | LAB | * | 6.25706 | | .368 | 64 2H8 | 23742000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 16.4471 | | .14 | 64 2H8 | 23744000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 63.0849 | | .0365 | 64 2H8 | 23746000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 10.5141 | | .219 | 64 2H8 | 23748000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 48.4757 | | .0475 | 64 2H8 | 23750000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | .009475 | | 238 | 64 2H8 | 23752000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 17.577 | | .131 | 64 2H8 | 23754000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 31.5424 | | .0720 | 64 2H8 | 23756000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 157.712 | | .0146 | 64 2H8 | 23758000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 157.712 | | .0146 | 64 2H8 | 23760000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 10.5141 | | .219 | 64 2H8 | 23762000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 16.0402 | | .164 | 64 2H8 | 23764000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 14.0402 | | .164 | 64 2H8 | 23766000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 7.02012 | | .328 | 64 2H8 | 23768000 |
| CONNECTIONS-WIRE-WRAP | | | GRD | * | .000017 | | 134000 | 64 2H8 | 23770000 |
| CONNECTIONS-WIRE-WRAP | | | GRD | * | .005061 | | 455 | 64 2H8 | 23772000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 3.49935 | | .658 | 64 2H8 | 23774000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 3.12853 | | .735 | 64 2H8 | 23776000 |
| CONNECTIONS-WIRE-WRAP | | | AIR | * | .046052 | | 50 | 64 2H8 | 23778000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 125.825 | | .0183 | 64 2H8 | 23780000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 1.75771 | | 1.31 | 64 2H8 | 23782000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 10.5141 | | .219 | 64 2H8 | 23784000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 7.02012 | | .328 | 64 2H8 | 23786000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 157.712 | | .0146 | 64 2H8 | 23788000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 63.0849 | | .0365 | 64 2H8 | 23790000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 48.4757 | | .0475 | 64 2H8 | 23792000 |
| CONNECTIONS-WIRE-WRAP | | | LAB | * | 157.712 | | .0146 | 64 2H8 | 23794000 |
| CONNECTIONS-WIRE-WRAP | | | AIR | * | .046052 | | 50 | 64 2H8 | 23796000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 361 HARDWARE | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | PART HOURS | YR | GROSS |
|-------------------------|--------------|------------------------|-------------|--------------|---------------------|-------------|------------|---------|-----------------|
| PART DESCRIPTION | | | | | | | | | DATA INDEX |
| .87 TERMINATIONS, WIRE | | | | | | | | | RPT SRCE REF NO |
| CONNECTIONS, WIRE, WRAP | | | LAB | * | 157.712 | | .0146 | 64 2H8 | 23798000 |
| CONNECTIONS, WIRE, WRAP | | | LAB | * | 7.02012 | | .328 | 64 2H8 | 23800000 |
| CONNECTIONS, WIRE, WRAP | | | GRD | .0000004 | .000014 | | 270455 | 64 2H8 | 23802000 |
| CONNECTIONS, WIRE, WRAP | | | GRD | .0000007 | .000029 | | 135000 | 64 2H8 | 23804000 |
| CONNECTIONS, WIRE, WRAP | | | LAB | 4.53216 | 5.76459 | | 6.84 | 64 2H8 | 23806000 |
| CONNECTIONS, WIRE, WRAP | | | LAB | 5.20833 | 20.2588 | | .192 | 64 2H8 | 23808000 |
| CONNECTIONS, WIRE, WRAP | | | LAB | 5.20833 | 20.2588 | | .192 | 64 2H8 | 23810000 |
| CONNECTIONS, WIRE, WRAP | | | LAB | 26.0416 | 48.3057 | | .192 | 64 2H8 | 23812000 |
| CONNECTIONS, WIRE, WRAP | | | LAB | 192.439 | 199.458 | | .164 | 64 2H8 | 23814000 |
| SOLDER/WELD | | | SAT | * | .010788 | | 213.45 | 66 2005 | 23816000 |

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

[illegible][illegible][illegible]

| | | | | | | |
|---------|---------|-----|--------|----|------|----------|
| 404,914 | 519,387 | 185 | .07162 | 63 | 1117 | 23818000 |
| 9,26097 | 36,0224 | 63 | .10799 | 65 | 1155 | 23820000 |
| 46,3048 | 85,8927 | 63 | .10798 | 65 | 1155 | 23822000 |
| 32,4119 | 54,8024 | 126 | .21597 | 65 | 1155 | 23824000 |

| | | | | | | |
|---------|---------|-----|--------|----|------|----------|
| 404,914 | 519,387 | 185 | .07162 | 63 | 1117 | 23818000 |
| 9,26097 | 36,0224 | 63 | .10799 | 65 | 1155 | 23820000 |
| 46,3048 | 85,8927 | 63 | .10798 | 65 | 1155 | 23822000 |
| 32,4119 | 54,8024 | 126 | .21597 | 65 | 1155 | 23824000 |

| | | | | | | |
|---------|---------|-----|--------|----|------|----------|
| 404,914 | 519,387 | 185 | .07162 | 63 | 1117 | 23818000 |
| 9,26097 | 36,0224 | 63 | .10799 | 65 | 1155 | 23820000 |
| 46,3048 | 85,8927 | 63 | .10798 | 65 | 1155 | 23822000 |
| 32,4119 | 54,8024 | 126 | .21597 | 65 | 1155 | 23824000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
 SECTION I
 FAILURE RATE DATA
 JANUARY 1966

| PART CLASS | 363 HEADS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | | UPPER 90 CONF | | PART | YR | CROSS |
|---------------------|-----------|---------------------------------|------------------------|--------------|---------|---------------|--------|------|------------|----------|
| | | | | FAILURE RATE | LIMIT | POPULATION | HOURS | | | |
| .00 N.O.C. | | PITOT-STATIC-SYS-FLIGHT-INST | AIR | 70.7928 | 119.042 | 192 | .09888 | 65 | 1227 | 23826000 |
| | | GRD | 2.71333 | 10.554 | | .34255 | 66 | 2F | 23828000 | |
| | | SIM GRD AIR * | | 82.9765 | 195 | .02775 | 64 | 1181 | 238300000A | |
| | | OPTICAL-DISPLAY-SIGHT | AIR | 167.504 | 445.753 | 31 | .01194 | 63 | 1111 | 23832000 |
| | | FIRE-CENTREL-SYSTEM | AIR | 32.258 | 125.474 | 136 | .031 | 63 | 1114 | 23834000 |
| | | PITOT-STATIC-SYSTEM-FLIGHT-INST | AIR | 73.0428 | 101.426 | 200 | .23274 | 65 | 1198 | 23836000 |
| | | PITOT-STATIC-SYSTEM-FLIGHT-INST | AIR | 142.045 | 185.859 | 204 | .176 | 63 | 1114 | 23838000 |
| | | PITOT-STATIC-SYSTEM-FLIGHT-INST | AIR | 216.688 | 259.156 | 100 | .25382 | 65 | 1198 | 23840000 |
| | | PITOT-STATIC-SYSTEM-FLIGHT-INST | AIR | 412.833 | 483.545 | 100 | .16956 | 63 | 1198 | 23842000 |
| | | PITOT-STATIC-SYSTEM-FLIGHT-INST | AIR | 436.241 | 514.107 | 100 | .149 | 63 | 1114 | 23844000 |
| | | PITOT-STATIC-SYSTEM-FLIGHT-INST | AIR | 139.817 | 185.126 | 304 | .1645 | 66 | 1250 | 23846000 |
| | | FLIGHT-INSTRUMENTATION | AIR | | | | | | | |
| PITOT-STATIC-SYSTEM | | | | | | | | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1948

| PART CLASS | 364 HEADSETS | | | | | | | | |
|------------------|-------------------------|-------------|--------------|---------------------|-------------------|------------------|--------------|--|--|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION HOURS | YR OF DATA INDEX | CROSS REF NO | | |
| .00 N.A.C. | | | | | | | | | |
| ROOM-MICROPHONE | | AIR | 906.618 | 1094.09 | .05515 | 66 2131 | 23848000 | | |
| HEADPHONES | COMMUNICATIONS.707-131 | AIR | 60P | | | 66 2361 | 23850000 | | |
| HEADPHONES | COMMUNICATIONS.707-331B | AIR | 70P | | | 66 2361 | 23852000 | | |
| HEADPHONES | COMMUNICATIONS.707-131 | AIR | 70P | | | 66 2361 | 23854000 | | |
| HEADPHONES | COMMUNICATIONS.707-131B | AIR | 90P | | | 66 2361 | 23856000 | | |
| HEADPHONES | COMMUNICATIONS.707-131B | AIR | 100P | | | 66 2361 | 23858000 | | |
| HEADPHONES | COMMUNICATIONS.707-331 | AIR | 130P | | | 66 2361 | 23860000 | | |
| HEADPHONES | COMMUNICATIONS.707-331 | AIR | 140P | | | 66 2361 | 23862000 | | |
| HEADPHONES | COMMUNICATIONS.707-331B | AIR | 170P | | | 66 2361 | 23864000 | | |
| HEADPHONES | COMMUNICATIONS.707-131 | AIR | 170P | | | 66 2361 | 23866000 | | |
| HEADPHONES | COMMUNICATIONS.707-131B | AIR | 180P | | | 66 2361 | 23868000 | | |
| HEADPHONES | COMMUNICATIONS.707-331 | AIR | 1060P | | | 66 2361 | 23870000 | | |
| MINITEL | | AIR | 675.675 | 1097.52 | .01184 | 66 2132 | 23872000 | | |
| MINITEL | | AIR | 922.58 | 990.79 | .06200 | 66 2134 | 23874000 | | |
| MINITEL | | AIR | 1190.93 | 1514.78 | .02603 | 66 2133 | 23876000 | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

PART CLASS 365 HERNS, NOT WARNING DEVICES

PART DESCRIPTION

.00 N.O.C.

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POPULATION | PART HOURS | YR | CROSS |
|--------------------------------------|------------------------|-------------|--------------|-------------|-----------------|------------|----|---------------|
| | | | | | | | | |
| ACTUATING RUDDER-SYSTEM | | AIR | * | 20.1505 | 473 | .11427 | 65 | 1228 23878000 |
| ACTUATING STABILIZER-HORIZONTAL | | AIR | * | 20.1505 | 473 | .11427 | 65 | 1228 23880000 |
| ACTUATING ELEVATOR-TRIM-TAB-ASSEMBLY | | AIR | 2.14832 | 8.35632 | 400 | .46548 | 65 | 1198 23882000 |
| PURGE-AIR-PUMP-PURGE-SYSTEM-FUEL | | AIR | 2.9488 | 11.4699 | 200 | .33912 | 63 | 1198 23884000 |
| PURGE-AIR-PUMP-PURGE-SYSTEM | | AIR | 3.34448 | 13.009 | 200 | .299 | 63 | 1114 23886000 |
| ACTUATING RUDDER-SYSTEM | | AIR | 11.4077 | 44.3725 | 406 | .08766 | 64 | 1179 23888000 |
| ACTUATING STABILIZER-HORIZONTAL | | AIR | 365.046 | 562.5 | 406 | .08766 | 64 | 1179 23890000 |
| RUDDER-SYSTEM | | AIR | 9.65456 | 17.9086 | 597 | .51789 | 67 | 1272 23892000 |
| STABILIZER-HORIZONTAL | | AIR | 13.5163 | 22.7285 | 597 | .51789 | 67 | 1272 23894000 |

ACTUATING
ACTUATING

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION 1 FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER | | | YR | CROSS |
|--------------------------------|--|------------------------|-------------|--------------|----------|--------|----------|--------|----------------|
| | | | | | 90 CONF | PART | OF DATA | | |
| | | | | | LIMIT | LATION | RPT SRCE | REF NO | INDEX |
| -00 N.O.C. | | | | | | | | | |
| BUSHING-CLEAR-VISION-WINGFIELD | TRANSMITTER. TOSSE-BOMB-RADAR | AIR | GRD | * | 15.5245 | 200 | .14332 | 65 | 1227 23896000 |
| | AIR-INLET-BASIC-ENGINE | AIR | GRD | * | 82.9765 | 195 | .02775 | 64 | 1181 23898000A |
| | RAMP-LATCH-ACTUATOR. DOOR-HYDRAULIC | AIR | GRD | * | 4.94672 | 400 | .46548 | 65 | 1198 23900000 |
| | RAMP-LATCH-ACTUATOR. DOOR-HYDRAULIC | AIR | GRD | * | 19.7868 | 100 | .11637 | 65 | 1198 23902000 |
| | COMBUSTION/AFT-BASIC-ENGINE | AIR | GRD | * | 27.1597 | 50 | .08478 | 63 | 1198 23904000 |
| | RAMP-LATCH-ACTUATOR. DOOR-HYDRAULIC | AIR | GRD | * | 4.53598 | 200 | .50763 | 65 | 1198 23906000 |
| | RAMP-LATCH-ACTUATOR. DOOR-HYDRAULIC | AIR | GRD | * | 192.847 | 31 | .01194 | 63 | 1111 23908000 |
| | PUMP-PROPELLER-ASSEMBLY | AIR | GRD | * | 4.94672 | 400 | .46548 | 65 | 1198 23910000 |
| | DISCHARGE-MAIN-PUMP-FUEL-DISTR-SYS | AIR | GRD | * | 23.2868 | 192 | .09886 | 65 | 1227 23912000 |
| | COMPRESSOR-BASIC-ENGINE | AIR | GRD | * | 4.94672 | 400 | .46548 | 65 | 1198 23914000 |
| | SHAFT-TORQUEMETER-BASIC-ENGINE | AIR | GRD | * | 4.94672 | 400 | .46548 | 65 | 1198 23916000 |
| | COMBUSTION/AFT-BASIC-ENGINE | AIR | GRD | * | 6.78992 | 200 | .33912 | 63 | 1198 23918000 |
| | CABLE-WING-FLAP-FLIGHT-CONTROL | AIR | GRD | * | 20.1505 | 473 | .11427 | 65 | 1228 23920000 |
| | GEAR-FLIGHT-INDICATOR-SCOPE-RADAR-SYSTEM | AIR | GRD | * | 82.9765 | 195 | .02775 | 64 | 1181 23922000A |
| | EXHAUST-SECTION-BASIC-ENGINE | AIR | GRD | * | 6.78992 | 200 | .33912 | 63 | 1198 23924000 |
| | EXHAUST-SECTION-BASIC-ENGINE | AIR | GRD | * | 4.53598 | 200 | .50763 | 65 | 1198 23926000 |
| | GEAR-FLIGHT-INDICATOR-SCOPE | AIR | GRD | * | 115.13 | 139 | .02 | 63 | 1117 23928000 |
| | AIR-INLET-BASIC-ENGINE | AIR | GRD | * | 4.53598 | 200 | .50763 | 65 | 1198 23930000 |
| | BEARING-STEERING-LANDING-GEAR | AIR | GRD | * | 53.1472 | 43 | .02472 | 65 | 1227 23932000 |
| | CABLE-WING-FLAP-FLIGHT-CONTROL | AIR | GRD | * | 26.2673 | 406 | .08766 | 64 | 1179 23934000 |
| | MIDFRAME-BASIC-ENGINE | AIR | GRD | * | 6.78992 | 200 | .33912 | 63 | 1198 23936000 |
| | DISCHARGE-AUX/EXT-REFUELING-FUEL-SYS | AIR | GRD | * | 7.76227 | 576 | .29664 | 65 | 1227 23938000 |
| | MIDFRAME-BASIC-ENGINE | AIR | GRD | * | 4.53598 | 200 | .50763 | 65 | 1198 23940000 |
| COMBUSTION/AFT-BASIC-ENGINE | CAST-MACHINE-BEARING-SURFACE | LAB | GRD | * | .4 | | | 63 | 1138 23942000 |
| | COMBUSTION/AFT-BASIC-ENGINE | LAB | GRD | * | 1.1 | | | 63 | 1138 23944000 |
| | COMBUSTION/AFT-BASIC-ENGINE | AIR | GRD | * | 2.14832 | 400 | .46548 | 65 | 1198 23946000 |
| | SCAVENGE-PUMP-TURBINE-FRONT | AIR | GRD | * | 2.83286 | 408 | .353 | 63 | 1114 23948000 |
| | COMPRESSOR-AIR-INLET-POWER-SECTION | AIR | GRD | * | 11.0286 | 448 | .35269 | 65 | 1201 23950000 |
| | COMPRESSOR-BASIC-ENGINE | AIR | GRD | * | 11.0286 | 448 | .35269 | 65 | 1201 23952000 |
| | DRIVE-SHAFT-GEAR-BOX | AIR | GRD | * | 13.009 | 200 | .299 | 63 | 1114 23954000 |
| | COMPRESSOR-BASIC-ENGINE | AIR | GRD | * | 7.71801 | 1194 | 1.0357 | 67 | 1272 23956000 |
| | COMPRESSOR-AIR-INLET-POWER-SECTION | AIR | GRD | * | 10.4846 | 200 | .50763 | 65 | 1198 23958000 |
| | EXTENSION-SHAFT-COMPRESSOR-POWER-SECTION | AIR | GRD | * | 18.9086 | 260 | .20571 | 65 | 1201 23960000 |
| | COMPRESSOR-BASIC-ENGINE | AIR | GRD | * | 4.86121 | 260 | .20571 | 65 | 1201 23962000 |
| | COMPRESSOR-BASIC-ENGINE | AIR | GRD | * | 5.89761 | 200 | .33912 | 63 | 1198 23964000 |
| | NOAD-WHEEL-ARM-SUPPORT. (M-MILES) | GRD | GRD | * | 6.48508M | 150 | .6160M | 66 | 1255 23966000 |
| | PUMP-PROPELLER-ASSEMBLY | AIR | GRD | * | 7.07975 | 200 | .50763 | 65 | 1198 23968000 |
| | CONTROL-ENGINE-BUILDUP-TURBOJET-J-85 | AIR | GRD | * | 3.7512 | 946 | .22854 | 65 | 1228 23970000 |
| | PUMP-HYDROMATIC-PRIPPELLER | AIR | GRD | * | 11.3314 | 408 | .353 | 63 | 1114 23972000 |
| | AIR-INLET-BASIC-ENGINE | AIR | GRD | * | 13.3779 | 200 | .299 | 63 | 1114 23974000 |
| | AIR-INLET-BASIC-ENGINE | AIR | GRD | * | 14.744 | 200 | .33912 | 63 | 1198 23976000 |
| | RAMP-LATCH-ACTUATOR. DOOR-HYDRAULIC | AIR | GRD | * | 15.7579 | 50 | .12692 | 65 | 1198 23978000 |
| | EXHAUST-NOZZLE-AFTERBURNER-TURBOJET | AIR | GRD | * | 17.5024 | 946 | .22854 | 65 | 1228 23980000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 366 HOUSINGS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1: FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- | | YR | CROSS |
|------------|-------------------------|------------------------|-------------|--------------|---------------------|------------|--------|----|---------------|
| | | | | | | LATION | HOURS | | |
| -03 N.O.C. | PROPELLER-ASSEMBLY | PROPELLER | AIR | * | 4.94672 | 400 | .46548 | 65 | 1199 24036000 |
| | SUN-GEAR-REDUCTION-GEAR | PROPELLER | AIR | * | 6.28747 | 244 | .36622 | 65 | 1201 24038000 |
| | PROPELLER-ASSEMBLY | PROPELLER | AIR | 1.96993 | 7.66247 | 200 | .50763 | 65 | 1198 24040000 |
| | PROPELLER-HYDROMATIC | PROPELLER | AIR | 2.83286 | 11.0139 | 403 | .373 | 63 | 1114 24042000 |
| | PROPELLER-ASSEMBLY | PROPELLER | AIR | 11.7952 | 23.5114 | 200 | .33912 | 63 | 1198 24044000 |
| | PROPELLER-HYDROMATIC | PROPELLER | AIR | 13.3779 | 26.7347 | 200 | .289 | 63 | 1114 24046000 |
| | PROPELLER | PROPELLER | AIR | 113.567 | 302.06 | 64 | .01762 | 65 | 1201 24048000 |
| | ROTOR-MAIN | ROTOR | HELI | 1499.6 | 2044.4 | 40 | .01267 | 66 | 1257 24050000 |
| | ROTOR-MAIN | ROTOR | HELI | 1764.7 | 2614.93 | 20 | .0068 | 66 | 1257 24052000 |
| | ROTOR-MAIN | ROTOR | HELI | 2592.59 | 3727.4 | 20 | .0054 | 66 | 1257 24054000 |
| -03 N.O.C. | ROTOR-TAIL | ROTOR | HELI | 2745.66 | 3141.09 | 40 | .0346 | 66 | 1257 24056000 |
| | ROTOR-TAIL | ROTOR | HELI | 289.017 | 443.278 | 40 | .0346 | 66 | 1257 24058000 |
| | | | HELI | 552.489 | 529.037 | 40 | .01267 | 66 | 1257 24060000 |

JANUARY 1968

1. **2010-2011** **2011-2012** **2012-2013** **2013-2014** **2014-2015** **2015-2016** **2016-2017** **2017-2018** **2018-2019** **2019-2020** **2020-2021** **2021-2022** **2022-2023** **2023-2024** **2024-2025** **2025-2026** **2026-2027** **2027-2028** **2028-2029** **2029-2030** **2030-2031** **2031-2032** **2032-2033** **2033-2034** **2034-2035** **2035-2036** **2036-2037** **2037-2038** **2038-2039** **2039-2040** **2040-2041** **2041-2042** **2042-2043** **2043-2044** **2044-2045** **2045-2046** **2046-2047** **2047-2048** **2048-2049** **2049-2050** **2050-2051** **2051-2052** **2052-2053** **2053-2054** **2054-2055** **2055-2056** **2056-2057** **2057-2058** **2058-2059** **2059-2060** **2060-2061** **2061-2062** **2062-2063** **2063-2064** **2064-2065** **2065-2066** **2066-2067** **2067-2068** **2068-2069** **2069-2070** **2070-2071** **2071-2072** **2072-2073** **2073-2074** **2074-2075** **2075-2076** **2076-2077** **2077-2078** **2078-2079** **2079-2080** **2080-2081** **2081-2082** **2082-2083** **2083-2084** **2084-2085** **2085-2086** **2086-2087** **2087-2088** **2088-2089** **2089-2090** **2090-2091** **2091-2092** **2092-2093** **2093-2094** **2094-2095** **2095-2096** **2096-2097** **2097-2098** **2098-2099** **2099-2100** **2100-2101** **2101-2102** **2102-2103** **2103-2104** **2104-2105** **2105-2106** **2106-2107** **2107-2108** **2108-2109** **2109-2110** **2110-2111** **2111-2112** **2112-2113** **2113-2114** **2114-2115** **2115-2116** **2116-2117** **2117-2118** **2118-2119** **2119-2120** **2120-2121** **2121-2122** **2122-2123** **2123-2124** **2124-2125** **2125-2126** **2126-2127** **2127-2128** **2128-2129** **2129-2130** **2130-2131** **2131-2132** **2132-2133** **2133-2134** **2134-2135** **2135-2136** **2136-2137** **2137-2138** **2138-2139** **2139-2140** **2140-2141** **2141-2142** **2142-2143** **2143-2144** **2144-2145** **2145-2146** **2146-2147** **2147-2148** **2148-2149** **2149-2150** **2150-2151** **2151-2152** **2152-2153** **2153-2154** **2154-2155** **2155-2156** **2156-2157** **2157-2158** **2158-2159** **2159-2160** **2160-2161** **2161-2162** **2162-2163** **2163-2164** **2164-2165** **2165-2166** **2166-2167** **2167-2168** **2168-2169** **2169-2170** **2170-2171** **2171-2172** **2172-2173** **2173-2174** **2174-2175** **2175-2176** **2176-2177** **2177-2178** **2178-2179** **2179-2180** **2180-2181** **2181-2182** **2182-2183** **2183-2184** **2184-2185** **2185-2186** **2186-2187** **2187-2188** **2188-2189** **2189-2190** **2190-2191** **2191-2192** **2192-2193** **2193-2194** **2194-2195** **2195-2196** **2196-2197** **2197-2198** **2198-2199** **2199-2200** **2200-2201** **2201-2202** **2202-2203** **2203-2204** **2204-2205** **2205-2206** **2206-2207** **2207-2208** **2208-2209** **2209-2210** **2210-2211** **2211-2212** **2212-2213** **2213-2214** **2214-2215** **2215-2216** **2216-2217** **2217-2218** **2218-2219** **2219-2220** **2220-2221** **2221-2222** **2222-2223** **2223-2224** **2224-2225** **2225-2226** **2226-2227** **2227-2228** **2228-2229** **2229-2230** **2230-2231** **2231-2232** **2232-2233** **2233-2234** **2234-2235** **2235-2236** **2236-2237** **2237-2238** **2238-2239** **2239-2240** **2240-2241** **2241-2242** **2242-2243** **2243-2244** **2244-2245** **2245-2246** **2246-2247** **2247-2248** **2248-2249** **2249-2250** **2250-2251** **2251-2252** **2252-2253** **2253-2254** **2254-2255** **2255-2256** **2256-2257** **2257-2258** **2258-2259** **2259-2260** **2260-2261** **2261-2262** **2262-2263** **2263-2264** **2264-2265** **2265-2266** **2266-2267** **2267-2268** **2268-2269** **2269-2270** **2270-2271** **2271-2272** **2272-2273** **2273-2274** **2274-2275** **2275-2276** **2276-2277** **2277-2278** **2278-2279** **2279-2280** **2280-2281** **2281-2282** **2282-2283**

FUNCTIONAL APPLICATION

INDEX

JANUARY 1968

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1960

| PART CLASS | 386 YCAT EXCHANGERS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CPMF LIMIT | PART POPULATION | PART HOURS | TR OF DATA INDEX | CROSS REF NO |
|---------------------------------|---------------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------------|--------------|
| PART DESCRIPTION | | | | | | | | | |
| .00 N.B.C. | | | | | | | | | |
| ALUMINUM-PLATE-FIN-AIR-TO-AIR | | | AIR GND | * | 11.513 | | .2 | 63 1121 | 24152000 |
| ALUMINUM-PLATE-FIN-FREON-TO-AIR | | | AIR GND | 5 | 6.76127 | | 4 | 62 1121 | 24154000 |
| AMPHIA-NOSE | | AIR-CONDITIONER | GRD | 632.911 | 1174.01 | | .0075 | 62 1135 | 24156000 |
| ENGINE-BLEED-AIR | | PNEUMATIC-727 | AIR | 61.9212 | 111.682 | | .23193 | 66 1241 | 24158000 |
| ENGINE-BLEED-AIR | | | AIR | 90P | | | | 66 2360 | 24160000 |
| ENGINE-BLEED-AIR | | | AIR | 110.593 | 150.771 | | .1718 | 66 1263 | 24162000 |
| WPT-71-STAGE | | AIR-CONDITIONING | AIR | 23.1726 | 62.1992 | | .08557 | 63 1123 | 24164000 |
| PRIMARY | | AIR-CONDITIONING-727 | AIR | 143P | | | | 65 2360 | 24166000 |
| HELL-AND-TUBE-FUEL-COOLS-611 | | | AIR | 79.6971 | 129.455 | | .10038 | 63 1123 | 24168000 |
| STAINLESS-STEEL-AIR-TO-AIR | | | AIR GND | 0 | 11.113 | | .2 | 63 1121 | 24170000 |
| STAINLESS-STEEL-AIR-TO-AIR | | | AIR GND | * | 4.6052 | | .5 | 63 1121 | 24172000 |
| STAINLESS-STEEL-IR-TO-FUEL | | | AIR GND | 5 | 6.24695 | | 7.2 | 63 1121 | 24174000 |
| STAINLESS-STEEL-FYD-BIL-TO-FUEL | | | AIR GND | * | .23026 | | 10 | 63 1121 | 24176000 |
| STAINLESS-STEEL-LUB-OIL-TO-FUEL | | | AIR GND | * | .153307 | | 15 | 63 1121 | 24178000 |

HOME AIR DEVELOPMENT CENTER, CRIFISS AFB, N.Y.
SECTION I FAILURE SITE DATA

PART CLASS 39, HEATERS
PART DESCRIPTION

-CC ELECTRICAL, N.A.C.

FUNCTIONAL APPLICATION

CAMERA-COMPARTMENT

FLARING-P.101-STATIC-SYSTEM
AD10-ALTIMETER-SUBSYSTEM
EARCH-RAD'R-SUBSYSTEM

LAUNCH-TUBE

FUEL-SYSTEM-TURBOPROP-POWER-PLANT
FUEL-SYSTEM-TURBOPROP-POWER-PLANT
STABILIZATION-SUBSYSTEM
FUEL-SYSTEM-TURBOPROP-POWER-PLANT

FUEL-SYSTEM-TURBOPROP-POWER-PLANT
FUEL-SYSTEM-TURBOPROP-POWER-PLANT
FUEL-SYSTEM-TURBOPROP-POWER-PLANT

FUEL-SYSTEM

TYPE-SSQ-AIR-CONDITIONING-SYSTEM
GALLEY

TRANSCIEIVER-TARGET-SEEKEN

ASSEMBLY
AIR-CONDITIONING-SYSTEM

BLANKET
CABIN
CABIN
CABIN
CABIN
CABIN-AIR
CABIN-AIR
CABIN-AIR
CABIN-AIR
CABIN-AIR
CABIN-AIR
COMBUSTION
DE-ICE-LEADING-EDGE
DE-ICE-LEADING-EDGE
DE-ICE-LEADING-EDGE

HORIZ-STABILIZER
HORIZONTAL-STABILIZER
FUEL-SYSTEM

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

FAILURE RATE
ENVIRONMENT

UPPER PART POPU- PART OF DATA INDEX
90 CONF LIMIT LATION HOURS RPT SRCE REF NO

| | | | | | | | |
|-----------|---------|---------|------|--------|----|------|-----------|
| AIR | * | 192.847 | 31 | .01194 | 63 | 1111 | 24190000 |
| GRD | * | 12.183 | 99 | .189 | 65 | 1193 | 24127600 |
| AIR | * | 96.4641 | 62 | .02387 | 63 | 1111 | 24184000 |
| AIR | * | 436.098 | 1 | .00528 | 62 | 2322 | 24186000 |
| AIR | * | 71.1957 | 3 | .03234 | 62 | 2322 | 24188000 |
| GRD | * | 115.13 | 18 | .02 | 65 | 1193 | 24190000 |
| LAB | 1 | | | | 61 | 1071 | 24192000 |
| GEN | 1 | | | | 62 | 1078 | 24194000 |
| AIR GND | 5.77617 | | | 2.77 | 57 | 212 | 24196000 |
| GRD | 12.7044 | | 150 | 1.2594 | 65 | 1216 | 24198000A |
| SIM AIR | 23.5515 | | 138 | .04246 | 65 | 1195 | 24200000A |
| AIR GND | 25.974 | | 3220 | .154 | 65 | 1221 | 24202000 |
| AIR | 30.1003 | | 203 | .299 | 63 | 1114 | 24204000 |
| AIR | 32.4368 | | 200 | .33912 | 63 | 1198 | 24206000 |
| AIR | 36.5185 | | 4 | .08715 | 62 | 2322 | 24208000 |
| AIR | 37.4288 | | 200 | .50763 | 65 | 1198 | 24210000 |
| GRD | 44 | | | | 57 | 212 | 24212000 |
| AIR | 48.1586 | | 408 | .353 | 63 | 1114 | 24214000 |
| AIR | 48.387 | | 272 | .062 | 63 | 1114 | 24216000 |
| AIR | 53.708 | | 400 | .48548 | 65 | 1198 | 24218000 |
| GRD | 57 | | | | 59 | 214 | 24220000 |
| AIR | 73.2984 | | 248 | .0955 | 63 | 1111 | 24222000 |
| AIR GND | 100 | | | | 61 | 212 | 24224000 |
| AIR | 138.914 | | 63 | .10798 | 65 | 1155 | 24226000 |
| AIR | 170.192 | | 76 | .04113 | 66 | 1250 | 24228000A |
| QUAL TEST | 333.333 | | | .009 | 58 | 212 | 24230000 |
| GRD | 10000 | | | .001 | 62 | 1135 | 24232000 |
| AIR | 277.777 | | | .108 | 63 | 2105 | 24234000 |
| AIR | * | 23.1719 | | .09937 | 63 | 1123 | 24236000 |
| AIR | 80P | | | | 65 | 2360 | 24238000 |
| AIR | 80P | | | | 65 | 2365 | 24240000 |
| AIR | 80P | | | | 66 | 2363 | 24242000 |
| AIR | 300P | | | | 66 | 2363 | 24244000 |
| AIR | 450P | | | | 65 | 2363 | 24246000 |
| AIR | 120P | | | | 66 | 2360 | 24248000 |
| AIR | 150P | | | | 66 | 2362 | 24250000 |
| AIR | 400P | | | | 66 | 2362 | 24252000 |
| AIR | 460P | | | | 66 | 2362 | 24254000 |
| AIR | 640P | | | | 65 | 2362 | 24256000 |
| AIR | 1210P | | | | 65 | 2362 | 24258000 |
| LAB | 4 | | | | 63 | 1138 | 24260000 |
| AIR | 20.2265 | | 384 | .19776 | 65 | 1227 | 24262000 |
| AIR | 30.3951 | | 608 | .329 | 66 | 1250 | 24264000 |
| AIR | 30.3951 | | 324 | .145 | 66 | 1250 | 24266000 |

99th AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 391 HEATERS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | 90 CONF LIMIT | PART LAYON | PART HOURS | YR | CROSS DATA INDEX | |
|--------------------|-------------|------------------|---------------------------------|-------------|--------------|-------------|---------------|------------|------------|----|------------------|----------|
| | | | | | | | | | | | RPT SRCE | REF NO |
| OE-ICING | | | FUEL-SYSTEM | AIR | 40-453 | 80.8409 | 192 | | .09888 | 65 | 1227 | 24260000 |
| OE-ICING | | | FUEL-SYSTEM | AIR | 40-453 | 80.8409 | 192 | | .09888 | 65 | 1227 | 24270000 |
| ELECTRIC-CAF N-AIR | | | AIR-CONDITONING.707-131B | AIR | 130P | | | | | 66 | 2364 | 24272000 |
| ELECTRIC-CAF N-AIR | | | AIR-CONDITONING.707-131 | AIR | 230P | | | | | 66 | 2364 | 24274000 |
| ELECTRIC-CAF N-AIR | | | AIR-CONDITONING.707-131B | AIR | 280P | | | | | 65 | 2364 | 24276000 |
| ELECTRIC-CAF N-AIR | | | AIR-CONDITONING.707-131B | AIR | 170P | | | | | 66 | 2364 | 24278000 |
| ENGINE-FUEL | | | ENGINE-FUEL-AND-CONTROL.707-131 | AIR | 60P | | | | | 66 | 2364 | 24280000 |
| ENGINE-FUEL | | | ENGINE-FUEL-AND-CONTROL.707-131 | AIR | 260P | | | | | 65 | 2361 | 24282000 |
| FLIGHT-DECK-AIR | | | AIR-CONDITONING.707-331 | AIR | 310P | | | | | 66 | 2362 | 24284000 |
| LAV-WATER | | | WATER-WASTE.727 | AIR | 340P | | | | | 65 | 2363 | 24286000 |
| LAV-WATER | | | WATER-WASTE.727 | AIR | 450P | | | | | 66 | 2363 | 24288000 |
| LAV-WATER | | | WATER-WASTE.727 | AIR | 1020P | | | | | 65 | 2363 | 24290000 |
| LAVATORY-WATER | | | WATER/WASTE.727 | AIR | 60P | | | | | 66 | 2360 | 24292000 |
| LAVATORY-WATER | | | WATER/WASTE.727 | AIR | 70P | | | | | 66 | 2365 | 24294000 |
| LAVATORY-WATER | | | WATER/WASTE.727 | AIR | 180P | | | | | 65 | 2360 | 24296000 |
| LAVATORY-WATER | | | WATER/WASTE.727 | AIR | 310P | | | | | 66 | 2360 | 24298000 |
| LAVATORY-WATER | | | WATER/WASTE.727 | AIR | 610P | | | | | 65 | 2365 | 24300000 |
| LAVATORY-WATER | | | WATER/WASTE.727 | AIR | 880P | | | | | 66 | 2365 | 24302000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.707-331B | AIR | 60P | | | | | 66 | 2362 | 24304000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.707-331 | AIR | 80P | | | | | 66 | 2362 | 24306000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.880 | AIR | 100P | | | | | 66 | 2360 | 24308000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.707-131 | AIR | 120P | | | | | 66 | 2362 | 24310000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.707-331B | AIR | 130P | | | | | 65 | 2362 | 24312000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.707-331 | AIR | 140P | | | | | 66 | 2362 | 24314000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.880 | AIR | 170P | | | | | 65 | 2362 | 24316000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.707-331 | AIR | 210P | | | | | 65 | 2360 | 24318000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.331C/373C | AIR | 230P | | | | | 66 | 2362 | 24320000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.707-131B | AIR | 240P | | | | | 65 | 2360 | 24322000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.880 | AIR | 240P | | | | | 66 | 2362 | 24324000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.707-131B | AIR | 260P | | | | | 66 | 2360 | 24326000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.707-131B | AIR | 300P | | | | | 66 | 2362 | 24328000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.707-131 | AIR | 380P | | | | | 65 | 2362 | 24330000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.880 | AIR | 390P | | | | | 66 | 2360 | 24332000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.707-131 | AIR | 400P | | | | | 66 | 2360 | 24334000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.727 | AIR | 460P | | | | | 66 | 2362 | 24336000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.727 | AIR | 490P | | | | | 66 | 2360 | 24338000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.727 | AIR | 560P | | | | | 66 | 2360 | 24340000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.880 | AIR | 640P | | | | | 65 | 2360 | 24342000 |
| OVEN-GALLEY | | | EQUIPMENT/FURNISHINGS.880 | AIR | 50P | | | | | 65 | 2365 | 24344000 |
| OVEN-GALLEY | | | EQUIPMENT-FURNISHINGS.880 | AIR | 50P | | | | | 66 | 2365 | 24346000 |
| OVEN-GALLEY | | | EQUIPMENT-FURNISHINGS.727 | AIR | 60P | | | | | 66 | 2363 | 24348000 |
| OVEN-GALLEY | | | EQUIPMENT-FURNISHINGS.880 | AIR | 80P | | | | | 65 | 2364 | 24350000 |
| OVEN-GALLEY | | | EQUIPMENT-FURNISHINGS.880 | AIR | 100P | | | | | 66 | 2363 | 24352000 |
| OVEN-GALLEY | | | EQUIPMENT-FURNISHINGS.880 | AIR | 109P | | | | | 66 | 2365 | 24354000 |

THE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 251 HEATERS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LATION | HOURS | YR RPT | CROSS DATA INDEX |
|--------------------------|---------------------------------|------------------------|-------------|--------------|---------------------|-----------------|-------------|-------|--------|------------------|
| PART DESCRIPTION | | | | | | | | | | |
| CC ELECTRICAL, M.O.C. | | | | | | | | | | |
| OVEN-GALLEY | EQUIPMENT/FURNISHINGS.727 | AIR | 110P | 65 | 2364 | 24258000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.331C/373C | AIR | 120P | 66 | 2363 | 24360000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.331C/373C | AIR | 130P | 66 | 2365 | 24362000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.331C/373C | AIR | 140P | 65 | 2364 | 24364000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.88C | AIR | 150P | 66 | 2364 | 24366000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.88C | AIR | 200P | 66 | 2364 | 24368000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.88C | AIR | 220P | 66 | 2365 | 24370000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.88C | AIR | 230P | 66 | 2363 | 24372000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.331C/373C | AIR | 240P | 66 | 2364 | 24374000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.331C/373C | AIR | 250P | 65 | 2365 | 24376000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.727 | AIR | 260P | 66 | 2363 | 24378000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.88C | AIR | 310P | 65 | 2364 | 24380000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.727 | AIR | 340P | 65 | 2364 | 24382000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.727 | AIR | 360P | 65 | 2363 | 24384000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.88C | AIR | 380P | 63 | 2363 | 24386000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.88C | AIR | 390P | 66 | 2364 | 24388000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.727 | AIR | 430P | 66 | 2365 | 24390000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.727 | AIR | 500P | 66 | 2363 | 24392000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.88C | AIR | 540P | 65 | 2365 | 24394000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.727 | AIR | 550P | 66 | 2363 | 24396000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.331C/373C | AIR | 560P | 66 | 2364 | 24398000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.727 | AIR | 610P | 65 | 2365 | 24400000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.727 | AIR | 610P | 66 | 2365 | 24402000 | | | | |
| OVEN-GALLEY | EQUIPMENT-FURNISHINGS.88C | AIR | 740P | 66 | 2365 | 24404000 | | | | |
| OVENS | GALLEY | AIR | 90.9061 | 215.303 | 48 | 02472 | | | | |
| OVENS-COMPONENT | GALLEY | AIR | 55.1571 | 92.7499 | 50 | 12691 | | | | |
| OVENS-COMPONENT | GALLEY | AIR | 82.5668 | 138.84 | 50 | 08478 | | | | |
| OVENS-COMPONENT | GALLEY | AIR | 146.085 | 202.853 | 100 | 11637 | | | | |
| OVENS-COMPONENT | NAVIGATIONAL-COMPUTER | AIR | 389.105 | 1035.46 | | 00004 | | | | |
| OVENS-COMPONENT-SEALED | | GRD | 1 | | | | | | | |
| OVENS-COMPONENT-SEALED | | GRD | 1 | | | | | | | |
| OVENS-COMPONENT-UNSEALED | | GRD | 5 | | | | | | | |
| OVENS-COMPONENT-UNSEALED | | GRD | 5 | | | | | | | |
| OVENS-CRYSTAL | | GRD | 5 | | | | | | | |
| OVENS-CRYSTAL | | AIR GND | * | | | | | | | |
| OVENS-CRYSTAL | | GRD | * | | | | | | | |
| OVENS-CRYSTAL | | AIR | * | | | | | | | |
| OVENS-CRYSTAL | | AIR | * | | | | | | | |
| OVENS-CRYSTAL | | AIR | * | | | | | | | |
| OVENS-CRYSTAL | | AIR | * | | | | | | | |
| OVENS-CRYSTAL | | AIR | * | | | | | | | |
| OVENS-CRYSTAL | | AIR | * | | | | | | | |
| OVENS-CRYSTAL | | LAB | 05 | | | | | | | |
| OVENS-CRYSTAL | | AIR | 333.393 | 1296.56 | | 003 | | | | |
| OVENS-CRYSTAL | | GRD | 571.428 | 1141.93 | | 007 | | | | |
| OVENS-CRYSTAL | | GRD | * | 209.327 | 5 | 011 | | | | |
| TEMPERATURE-CONTROLLED | | | | | | | | | | |

ROME AIR DEVELOPMENT CENTER, GRAIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1958

| PART CLASS | 391 HEATERS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART LATION | 90 CONF | WA | CPSS |
|------------------------|-------------|--------------------------------|-------------|--------------|-------------|-------------|---------|----|----------------|
| PART DESCRIPTION | | | | | | | | | OF DATA INDEX |
| | | | | | | | | | RPT SRC REF NO |
| .0J ELECTRICAL, N.B.C. | | | | | | | | | |
| OVENS-CRYSTAL-SEALED | | | GRD | 1 | | | | 65 | 1251 24446000A |
| OVENS-CRYSTAL-SEALED | | | GRD | 1 | | | | 63 | 1098 24448000 |
| OVENS-CRYSTAL-UNSEALED | | | GRD | 5 | | | | 63 | 1098 24450000 |
| OVENS-CRYSTAL-UNSEALED | | | GRD | 5 | | | | 65 | 1251 24452000A |
| OVENS-GALLEY | | EQUIPMENT/FURNISHINGS-707-1318 | AIR | 80P | | | | 65 | 2361 24454000 |
| OVENS-GALLEY | | EQUIPMENT/FURNISHINGS-707-1318 | AIR | 110P | | | | 66 | 2361 24456000 |
| OVENS-GALLEY | | EQUIPMENT/FURNISHINGS-707-3318 | AIR | 130P | | | | 66 | 2364 24458000 |
| OVENS-GALLEY | | EQUIPMENT/FURNISHINGS-707-3318 | AIR | 170P | | | | 66 | 2364 24460000 |
| OVENS-GALLEY | | EQUIPMENT/FURNISHINGS-707-3318 | AIR | 170P | | | | 66 | 2361 24462000 |
| OVENS-GALLEY | | EQUIPMENT/FURNISHINGS-707-3318 | AIR | 210P | | | | 66 | 2361 24464000 |
| OVENS-GALLEY | | EQUIPMENT/FURNISHINGS-707-3318 | AIR | 230P | | | | 66 | 2361 24466000 |
| OVENS-GALLEY | | EQUIPMENT/FURNISHINGS-707-1318 | AIR | 230P | | | | 66 | 2364 24468000 |
| OVENS-GALLEY | | EQUIPMENT/FURNISHINGS-707-3318 | AIR | 260P | | | | 65 | 2361 24470000 |
| OVENS-GALLEY | | EQUIPMENT/FURNISHINGS-707-1318 | AIR | 320P | | | | 65 | 2361 24472000 |
| OVENS-GALLEY | | EQUIPMENT/FURNISHINGS-707-3318 | AIR | 420P | | | | 66 | 2361 24474000 |
| OVENS-GALLEY | | EQUIPMENT/FURNISHINGS-707-1318 | AIR | 460P | | | | 65 | 2361 24476000 |
| OVENS-GALLEY | | EQUIPMENT/FURNISHINGS-707-1318 | AIR | 490P | | | | 66 | 2361 24478000 |
| 28-VDC | | | GRD | * | 2708.94 | | | 64 | 1180 24480000 |

.20 ELECTRICAL, CONDUCTION

| | | | | | | | | | |
|-----------------|--|--|-----|---------|---------|-----|--|----|---------------|
| GUN | | | AIR | 62.5 | 139.183 | 124 | | 63 | 1111 24482000 |
| MINDSHIELD-NESA | | | AIR | 307.692 | 376.101 | 272 | | 63 | 1111 24484000 |
| CUP/OVEN-WARNER | | | AIR | 1000 | 1249.39 | 93 | | 63 | 1111 24486000 |

ROME AIR DE 'LJMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

PART CLASS 404 HOSES

PART DESCRIPTION

.00 N.B.C.

FUNCTIONAL APPLICATION

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| FAILURE | UPPER | PART | YR | CROSS |
|-------------|---------|------------|---------|-------------|
| RATE | 90 CONF | POPULATION | OF DATA | INDEX |
| ENVIRONMENT | LIMIT | HOURS | RPT | SRCE REF NO |

AIR
AIR

.6
5.95

65 2L9 24488000
57 2L1 24490000

ROME AIR DEVELOPMENT CENTER, GRAIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

JANUARY 1968

PART CLASS 415 IGNITION PARTS AND EXPLOSIVES

PART DESCRIPTION FUNCTIONAL APPLICATION

•CJ PROVIDE IMPULSE FOR OTHER SECONDARY ACTIONS

IGNITORS-SPARK
IGNITORS-SPARK
IGNITORS-SPARK-ENGINE
IGNITORS-SPARK-ENGINE
IGNITORS-SPARK-ENGINE
CAPACITOR-TIME

IGNITION/ELECTRICAL-SYSTEM
IGNITION/ELECTRICAL-SYSTEM

NON-ELECTRONIC PART FAILURE RATE DATA

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| AIR | 212.378 | 260.864 | 384 | 19776 | 65 | 1227 24638000 |
| AIR | 404.255 | 452.996 | 608 | 329 | 66 | 1250 24638000 |
| AIR | 1.947 | 7.57225 | 528 | 51361 | 65 | 1201 24638000 |
| AIR | 26.3005 | 48.7859 | 496 | 19011 | 63 | 1111 24638000 |
| AIR | 27.027 | 105.127 | 128 | 4037 | 59 | 1110 24638000 |
| AIR | 30.1901 | 67.2315 | | 49937 | 63 | 1123 24638000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

PART CLASS 420 INNER TUBES

PART DESCRIPTION FUNCTIONAL APPLICATION

400 N.O.C.

INNER TUBES NOSE-LANDING-GEAR
INNER TUBES NOSE-LANDING-GEAR
INNER TUBES NOSE-LANDING-GEAR
INNER TUBES NOSE-LANDING-GEAR
INNER TUBES MAIN-LANDING-GEAR
INNER TUBES MAIN-LANDING-GEAR
INNER TUBES MAIN-LANDING-GEAR
INNER TUBES MAIN-LANDING-GEAR
INNER TUBES MAIN-LANDING-GEAR
INNER TUBES MAIN-LANDING-GEAR
INNER TUBES MAIN-LANDING-GEAR
INNER TUBES MAIN-LANDING-GEAR

NONELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|-------------|--------------|---------------------|-------------|------------|------------|---------------|
| | | | | | | |
| AIR | * | 9.89344 | 200 | 23274 | 65 | 1198 24640000 |
| AIR | 5.89761 | 22.9399 | 100 | .17956 | 63 | 1190 24642000 |
| AIR | 6.7114 | 26.1053 | 100 | .149 | 63 | 1114 24644000 |
| AIR | 11.8194 | 26.321 | 100 | .25382 | 65 | 1198 24646000 |
| AIR | 16.129 | 62.737 | 272 | .062 | 63 | 1114 24648000 |
| AIR | 17.0454 | 37.959 | 204 | .176 | 63 | 1114 24650000 |
| AIR | 32.4368 | 48.5447 | 200 | .33912 | 63 | 1198 24652000 |
| AIR | 35.4448 | 51.5272 | 200 | .259 | 63 | 1114 24654000 |
| AIR | 45.3085 | 59.9911 | 200 | .50763 | 65 | 1198 24656000 |
| AIR | 48.1586 | 66.8728 | 408 | .353 | 63 | 1114 24658000 |
| AIR | 51.5596 | 67.8515 | 400 | .46548 | 65 | 1198 24660000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1
FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX RPT SRCE REF NO |
|------------------------------|----------------------------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|-----------------------------|
| -40 INDICATING AND MEASURING | | | | | | | | | |
| DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-131B | AIR | 60P | 66 | 2361 | 24662000 | | | |
| DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-131 | AIR | 110P | 66 | 2361 | 24664000 | | | |
| DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-131R | AIR | 130P | 65 | 2361 | 24666000 | | | |
| DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-331 | AIR | 140P | 66 | 2361 | 24668000 | | | |
| DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-331B | AIR | 140P | 66 | 2361 | 24670000 | | | |
| DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-331B | AIR | 140P | 66 | 2361 | 24672000 | | | |
| DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-331B | AIR | 170P | 66 | 2361 | 24674000 | | | |
| DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-331B | AIR | 170P | 65 | 2361 | 24676000 | | | |
| DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-331 | AIR | 331P | 66 | 2361 | 24678000 | | | |
| DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-331 | AIR | 390P | 65 | 2361 | 24680000 | | | |
| DUAL-FLAP-POSITION | ENGINE-FUEL-AND-CONTROL.707-331 | AIR | 260P | 66 | 2361 | 24682000 | | | |
| DUAL-FLAP-POSITION | ENGINE-FUEL-AND-CONTROL.707-331 | AIR | 560P | 66 | 2361 | 24684000 | | | |
| DUAL-FLAP-POSITION | ENGINE-FUEL-AND-CONTROL.707-131B | AIR | 570P | 66 | 2361 | 24686000 | | | |
| DUAL-FLAP-POSITION | ENGINE-FUEL-AND-CONTROL.707-131 | AIR | 670P | 66 | 2361 | 24688000 | | | |
| DUAL-FLAP-POSITION | ENGINE-FUEL-AND-CONTROL.707-131B | AIR | 720P | 66 | 2361 | 24690000 | | | |
| DUAL-FLAP-POSITION | ENGINE-FUEL-AND-CONTROL.707-131 | AIR | 780P | 65 | 2361 | 24692000 | | | |
| DUAL-FLAP-POSITION | ENGINE-FUEL-AND-CONTROL.707-131 | AIR | 910P | 66 | 2361 | 24694000 | | | |
| DUAL-FLAP-POSITION | ENGINE-FUEL-AND-CONTROL.707-131 | AIR | 1200P | 65 | 2361 | 24696000 | | | |
| DUAL-FLAP-POSITION | ENGINE-FUEL-AND-CONTROL.707-131B | AIR | 250P | 66 | 2361 | 24698000 | | | |
| DUAL-FLAP-POSITION | FLIGHT-CONTROL.331C/373C | AIR | 190P | 66 | 2360 | 24700000 | | | |
| DUAL-FLAP-POSITION | AIR-CONDITIONING.727 | AIR | 80P | 65 | 2362 | 24702000 | | | |
| DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-131B | AIR | 110P | 66 | 2362 | 24704000 | | | |
| DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-331B | AIR | 120P | 65 | 2362 | 24706000 | | | |
| DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-131B | AIR | 130P | 66 | 2362 | 24708000 | | | |
| DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-331B | AIR | 140P | 66 | 2362 | 24710000 | | | |
| DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-131B | AIR | 150P | 66 | 2362 | 24712000 | | | |
| DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-331B | AIR | 260P | 65 | 2362 | 24714000 | | | |
| DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-131 | AIR | 450P | 65 | 2362 | 24716000 | | | |
| DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-331 | AIR | 620P | 66 | 2362 | 24718000 | | | |
| DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-331 | AIR | 840P | 66 | 2362 | 24720000 | | | |
| DUAL-FLAP-POSITION | AIR-CONDITIONING.727 | AIR | 140P | 65 | 2360 | 24722000 | | | |
| DUAL-FLAP-POSITION | 61L.88C | AIR | 80P | 65 | 2360 | 24724000 | | | |

ROD AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LATION | YR | CROSS OF DATA INDEX |
|------------------------------|-----------------|----------------------------|-------------|--------------|---------------------|-----------------|-------------|----|---------------------|
| PART DESCRIPTION | | | | | | | | | RPT SRCE REF NO |
| -40 INDICATING AND MEASURING | | | | | | | | | |
| INDICATOR. | | OIL-880 | AIR | 150P | | | | 66 | 2360 24726000 |
| ENGINE-OIL-PRESSURE | | | | | | | | | |
| INDICATOR. | | OIL-880 | AIR | 220P | | | | 66 | 2360 24726000 |
| ENGINE-OIL-PRESSURE | | | | | | | | | |
| INDICATOR. | | OIL-331C/373C | AIR | 120P | | | | 65 | 2360 24730100 |
| ENGINE-OIL-QUANTITY | | | | | | | | | |
| INDICATOR. | | OIL-331C/373C | AIR | 480P | | | | 66 | 2360 24732500 |
| ENGINE-OIL-QUANTITY | | | | | | | | | |
| INDICATOR. | | OIL-331C/373C | AIR | 620P | | | | 66 | 2360 24734000 |
| ENGINE-OIL-TEMPERATURE | | | | | | | | | |
| INDICATOR. | | OIL-880 | AIR | 40P | | | | 66 | 2360 24736000 |
| ENGINE-OIL-TEMPERATURE | | | | | | | | | |
| INDICATOR. | | OIL-880 | AIR | 200P | | | | 65 | 2360 24738000 |
| ENGINE-OIL-TEMPERATURE | | | | | | | | | |
| INDICATOR. | | ENGINE-INDICATING-880 | AIR | 1850P | | | | 66 | 2360 24740000 |
| ENGINE-PRESSURE-RATIO | | | | | | | | | |
| INDICATOR. | | ENGINE-INDICATING-880 | AIR | 2100P | | | | 65 | 2360 24742000 |
| ENGINE-PRESSURE-RATIO | | | | | | | | | |
| INDICATOR. | | ENGINE-INDICATING-880 | AIR | 2800P | | | | 66 | 2360 24744000 |
| ENGINE-PRESSURE-RATIO | | | | | | | | | |
| INDICATOR. | | ENGINE-INDICATING-707-131B | AIR | 440P | | | | 65 | 2362 24746000 |
| EXHAUST-TEMPERATURE | | | | | | | | | |
| INDICATOR. | | ENGINE-INDICATING-707-131B | AIR | 480P | | | | 66 | 2362 24748000 |
| EXHAUST-TEMPERATURE | | | | | | | | | |
| INDICATOR. | | ENGINE-INDICATING-707-131 | AIR | 540P | | | | 66 | 2362 24750000 |
| EXHAUST-TEMPERATURE | | | | | | | | | |
| INDICATOR. | | ENGINE-INDICATING-707-33 | AIR | 680P | | | | 65 | 2362 24752000 |
| EXHAUST-TEMPERATURE | | | | | | | | | |
| INDICATOR. | | ENGINE-INDICATING-707-131 | AIR | 680P | | | | 66 | 2362 24754000 |
| EXHAUST-TEMPERATURE | | | | | | | | | |
| INDICATOR. | | ENGINE-INDICATING-707-131 | AIR | 760P | | | | 65 | 2362 24756000 |
| EXHAUST-TEMPERATURE | | | | | | | | | |
| INDICATOR. | | ENGINE-INDICATING-707-131 | AIR | 1030P | | | | 66 | 2362 24758000 |
| EXHAUST-TEMPERATURE | | | | | | | | | |
| INDICATOR. | | ENGINE-INDICATING-707-331 | AIR | 1120P | | | | 66 | 2362 24760000 |
| EXHAUST-TEMPERATURE | | | | | | | | | |
| INDICATOR. | | ENGINE-INDICATING-707-331 | AIR | 1470P | | | | 66 | 2362 24762000 |
| EXHAUST-TEMPERATURE | | | | | | | | | |
| INDICATOR. | | ENGINE-INDICATING-880 | AIR | 1850P | | | | 66 | 2360 24764000 |
| EXHAUST-TEMPERATURE | | | | | | | | | |
| INDICATOR. | | ENGINE-INDICATING-880 | AIR | 1960P | | | | 66 | 2360 24766000 |
| EXHAUST-TEMPERATURE | | | | | | | | | |
| INDICATOR. | | ENGINE-INDICATING-880 | AIR | 2100P | | | | 65 | 2360 24768000 |
| EXHAUST-TEMPERATURE | | | | | | | | | |
| INDICATOR. | | LANDING-GEAR-707-131B | AIR | 130P | | | | 66 | 2362 24770000 |
| HYDRAULIC-BRAKE-373C | | | | | | | | | |

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

426

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 50 CONF LIMIT | PART POPULATION | PART LAYDOWN HOURS | YR OF DATA | CROSS INDEX |
|-----------------------------------|--------------------------|------------------------|-------------|--------------|---------------------|-----------------|--------------------|------------|-------------|
| PART DESCRIPTION | | | | | | | | | |
| 40 INDICATING AND MEASURING | | | | | | | | | |
| INDICATOR. | FLIGHT-CONTROLS.707-1318 | | AIR | 130P | | 66 | 2362 | 24819000 | |
| RUDDER-HYDRAULIC-PRESSURE | FLIGHT-CONTROLS.707-1318 | | AIR | 160P | | 65 | 2362 | 24820000 | |
| INDICATOR. | FLIGHT-CONTROLS.707-1318 | | AIR | 280P | | 66 | 2362 | 24822000 | |
| RUDDER-HYDRAULIC-PRESSURE | FLIGHT-CONTROLS.707-1318 | | AIR | 170P | | 65 | 2362 | 24824000 | |
| INDICATOR. | NAVIGATION.707-331 | | AIR | 300P | | 65 | 2362 | 24826000 | |
| RUDDER-HYDRAULIC-PRESSURE | NAVIGATION.707-331 | | AIR | 310P | | 66 | 2362 | 24828000 | |
| INDICATOR.A-S-AND-ANGLE-OF-ATTACK | NAVIGATION.707-331 | | AIR | 840P | | 66 | 2362 | 24830000 | |
| INDICATOR.A-S-AND-ANGLE-OF-ATTACK | NAVIGATION.707-331 | | AIR | 280P | | 65 | 2362 | 24832000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 320P | | 66 | 2362 | 24834000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 820P | | 65 | 2362 | 24836000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 100P | | 66 | 2362 | 24838000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 130P | | 65 | 2362 | 24840000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 140P | | 66 | 2362 | 24842000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 150P | | 66 | 2362 | 24844000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 160P | | 65 | 2362 | 24846000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 160P | | 66 | 2362 | 24848000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 170P | | 66 | 2362 | 24850000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 170P | | 65 | 2362 | 24852000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 200P | | 65 | 2362 | 24854000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 210P | | 65 | 2362 | 24856000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 210P | | 65 | 2362 | 24858000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 240P | | 66 | 2362 | 24860000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 250P | | 66 | 2362 | 24862000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 260P | | 66 | 2362 | 24864000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 290P | | 66 | 2362 | 24866000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 310P | | 65 | 2362 | 24868000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 330P | | 66 | 2362 | 24870000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 430P | | 66 | 2362 | 24872000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 500P | | 66 | 2362 | 24874000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 1000P | | 66 | 2362 | 24876000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 230P | | 66 | 2362 | 24878000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 240P | | 66 | 2362 | 24880000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 250P | | 66 | 2362 | 24882000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 250P | | 66 | 2362 | 24884000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 260P | | 65 | 2362 | 24886000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 300P | | 65 | 2362 | 24888000 | |
| INDICATOR.AIR-SPEED | NAVIGATION.707-331 | | AIR | 340P | | 66 | 2362 | 24890000 | |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POPULATION | PART HOURS | YR | CROSS INDEX |
|------------------------------|----------------------|------------------------|-------------|--------------|-------------|-----------------|------------|----|-------------|
| PART DESCRIPTION | | | | | | | | | |
| .AL INDICATING AND MEASURING | | | | | | | | | |
| INDICATOR-ALTITUDE | NAVIGATION-707-331 | AIR | 510P | 65 | 2362 | 2496000 | | | |
| INDICATOR-ALTITUDE | NAVIGATION-707-331 | AIR | 680P | 66 | 2366 | 2496000 | | | |
| INDICATOR-ALTITUDE | NAVIGATION-707-331 | AIR | 680P | 66 | 2362 | 2496000 | | | |
| INDICATOR-ALTITUDE | NAVIGATION-707-331 | AIR | 680P | 66 | 2362 | 2496000 | | | |
| INDICATOR-ALTITUDE | NAVIGATION-707-331 | AIR | 750P | 65 | 2462 | 2496000 | | | |
| INDICATOR-ALTITUDE | NAVIGATION-707-331 | AIR | 770P | 66 | 2362 | 2496000 | | | |
| INDICATOR-ALTITUDE | NAVIGATION-880 | AIR | 910P | 66 | 2365 | 2496000 | | | |
| INDICATOR-ALTITUDE | NAVIGATION-331C/373C | AIR | 980P | 65 | 2365 | 2496000 | | | |
| INDICATOR-ALTITUDE | NAVIGATION-707-1318 | AIR | 1030P | 66 | 2362 | 2496000 | | | |
| INDICATOR-ALTITUDE | NAVIGATION-707-1318 | AIR | 1040P | 65 | 2362 | 2496000 | | | |
| INDICATOR-ALTITUDE | NAVIGATION-707-131 | AIR | 1060P | 65 | 2362 | 2496000 | | | |
| INDICATOR-ALTITUDE | NAVIGATION-880 | AIR | 1270P | 65 | 2360 | 2496000 | | | |
| INDICATOR-ALTITUDE | NAVIGATION-880 | AIR | 1280P | 65 | 2365 | 2496000 | | | |
| INDICATOR-ALTITUDE | NAVIGATION-707-331 | AIR | 1350P | 66 | 2362 | 2496000 | | | |
| INDICATOR-ALTITUDE | NAVIGATION-707-131 | AIR | 1360P | 66 | 2362 | 2496000 | | | |
| INDICATOR-ALTITUDE | NAVIGATION-880 | AIR | 1380P | 66 | 2362 | 2496000 | | | |
| INDICATOR-ALTITUDE | NAVIGATION-880 | AIR | 1510P | 66 | 2360 | 2496000 | | | |
| INDICATOR-ALTITUDE | NAVIGATION-707-331R | AIR | 1560P | 66 | 2362 | 2496000 | | | |
| INDICATOR-ALTITUDE | NAVIGATION-880 | AIR | 1740P | 65 | 2365 | 2496000 | | | |
| INDICATOR-ALTITUDE | | AIR | 180P | 65 | 2360 | 2496000 | | | |
| INDICATOR-ALTITUDE | | AIR | 180P | 65 | 2360 | 2496000 | | | |
| INDICATOR-ALTITUDE | | AIR | 200P | 65 | 2362 | 2496000 | | | |
| INDICATOR-ALTITUDE | | AIR | 860P | 66 | 2365 | 2496000 | | | |
| INDICATOR-ALTITUDE | | AIR | 910P | 66 | 2365 | 2496000 | | | |
| INDICATOR-ALTITUDE | | AIR | 960P | 65 | 2360 | 2496000 | | | |
| INDICATOR-ALTITUDE | | AIR | 1310P | 66 | 2360 | 2496000 | | | |
| INDICATOR-ALTITUDE | | AIR | 1680P | 65 | 2365 | 2496000 | | | |
| INDICATOR-ALTITUDE | | AIR | 1750P | 66 | 2360 | 2496000 | | | |
| INDICATOR-ALTITUDE | | AIR | 190P | 65 | 2362 | 2496000 | | | |
| INDICATOR-ALTITUDE | | AIR | 270P | 65 | 2360 | 2496000 | | | |
| INDICATOR-ALTITUDE | | AIR | 300P | 65 | 2365 | 2496000 | | | |
| INDICATOR-ALTITUDE | | AIR | 150P | 66 | 2365 | 2496000 | | | |
| INDICATOR-ALTITUDE | | AIR | 320P | 65 | 2362 | 2496000 | | | |
| INDICATOR-ALTITUDE | | AIR | 400P | 66 | 2365 | 2496000 | | | |
| INDICATOR-ALTITUDE | | AIR | 140P | 66 | 2360 | 2496000 | | | |
| INDICATOR-ALTITUDE | | AIR | 150P | 66 | 2362 | 2496000 | | | |
| INDICATOR-ALTITUDE | | AIR | 230P | 66 | 2362 | 2496000 | | | |

ROME AIR DEVELOPMENT CENTER, CRIFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

HERNELECTRONIC PART FAILURE RATE DATA JANUARY 1966

| PART CLASS | 422 INSURMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT RATE | UPPER 90 CON: LIMIT | PART POSITION LATION | YR | CRSS |
|--|-----------------------------|------------------------|------------------|---------------------------|----------------------------|----|----------------------------------|
| PART DESCRIPTION | | | | | | | OF DATA INDEX RPT SRCE REF NO |
| .40 INDICATING AND MEASURING | | | | | | | |
| INDICATOR, AS-ANG-ANGLE- OF-ATTACK | NAVIGATION, 707-131 | AIR | 330P | | | 66 | 2364 2498000 |
| INDICATOR, AS-ANG-ANGLE- OF-ATTACK | NAVIGATION, 707-331 | AIR | 470P | | | 66 | 2364 2497000 |
| INDICATOR, AS-ANG-ANGLE- OF-ATTACK | NAVIGATION, 880 | AIR | 630P | | | 65 | 2360 2497000 |
| INDICATOR, AS-ANG-ANGLE- OF-ATTACK | NAVIGATION, 707-331 | AIR | 1030P | | | 66 | 2364 2497500 |
| INDICATOR, AS-ANG-ANGLE- OF-ATTACK | NAVIGATION, 707-331 | AIR | 1540P | | | 65 | 2364 2497600 |
| INDICATOR, AS-ANG-ANGLE-OF- ATTACK | NAVIGATION, 880 | AIR | 250P | | | 66 | 2363 2497800 |
| INDICATOR, BRAKE-PRESSURE | LANDING-GEAR, 880 | AIR | 140P | | | 66 | 2360 2498000 |
| INDICATOR, BRAKE-PRESSURE | LANDING-GEAR, 880 | AIR | 320P | | | 65 | 2360 2498200 |
| INDICATOR, CABIN | AIR-CONDITIONING, 880 | AIR | 290P | | | 66 | 2360 2498400 |
| INDICATOR, CABIN | AIR-CONDITIONING, 880 | AIR | 320P | | | 65 | 2360 2498600 |
| INDICATOR, CABIN | AIR-CONDITIONING, 880 | AIR | 450P | | | 66 | 2360 2498800 |
| INDICATOR, CABIN- AIR-TEMPERATURE | AIR-CONDITIONING, 727 | AIR | 430P | | | 66 | 2365 2499000 |
| INDICATOR, CABIN- AIRFLOW-DUAL | AIR-CONDITIONING, 880 | AIR | 150P | | | 66 | 2360 2499200 |
| INDICATOR, CABIN- AIRFLOW-DUAL | AIR-CONDITIONING, 880 | AIR | 160P | | | 66 | 2365 2499400 |
| INDICATOR, CABIN- AIRFLOW-DUAL | AIR-CONDITIONING, 880 | AIR | 320P | | | 65 | 2360 2499600 |
| INDICATOR, CABIN- AIRFLOW-DUAL | AIR-CONDITIONING, 880 | AIR | 430P | | | 66 | 2360 2499800 |
| INDICATOR, CABIN- DIFFERENTIAL-PRESSURE | AIR-CONDITIONING, 707-331 | AIR | 243P | | | 66 | 2362 2500000 |
| INDICATOR, CABIN- DIFFERENTIAL-PRESSURE | AIR-CONDITIONING, 707-331 | AIR | 280P | | | 66 | 2362 2500200 |
| INDICATOR, CABIN- DIFFERENTIAL-PRESSURE | AIR-CONDITIONING, 727 | AIR | 400P | | | 66 | 2365 2500400 |
| INDICATOR, CABIN- DIFFERENTIAL-PRESSURE | AIR-CONDITIONING, 727 | AIR | 1220P | | | 65 | 2365 2500600 |
| INDICATOR, CABIN- RATE-OF-CLIMB | AIR-CONDITIONING, 707-131 | AIR | 130P | | | 66 | 2362 2500800 |
| INDICATOR, CABIN- RATE-OF-CLIMB | AIR-CONDITIONING, 707-131 | AIR | 150P | | | 66 | 2362 2501000 |
| INDICATOR, CABIN- RATE-OF-CLIMB | AIR-CONDITIONING, 707-131 | AIR | 160P | | | 65 | 2362 2501200 |
| INDICATOR, CABIN- RATE-OF-CLIMB | AIR-CONDITIONING, 331C/373C | AIR | 240P | | | 66 | 2360 2501400 |
| INDICATOR, CABIN- RATE-OF-CLIMB | AIR-CONDITIONING, 707-331 | AIR | 450P | | | 66 | 2362 2501600 |

RENE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NEW ELECTRONIC PART FAILURE RATE DATA

JANUARY 1958

| PART CLASS | 227 INSTRUMENTS | UPPER SE CONF LIMIT | PART LATION | YR | CAGGS |
|------------------------------|----------------------------|---------------------------|----------------|----|------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | PART LATION | YR | OF DATA INDEX |
| | | ENVIRONMENTAL | HOURS | | RPT SIZE REF NO |
| 40 INDICATING AND MEASURING | | | | | |
| INDICATOR, CABIN-TEMPERATURE | AIR-CONDITIONING-727 | AIR | 180P | 64 | 2368 25018000 |
| INDICATOR, CABIN-TEMPERATURE | AIR-CONDITIONING-707-131B | AIR | 130P | 66 | 2362 25020000 |
| INDICATOR, CABIN-TEMPERATURE | AIR-CONDITIONING-880 | AIR | 130P | 65 | 2365 25022000 |
| INDICATOR, CABIN-TEMPERATURE | AIR-CONDITIONING-880 | AIR | 330P | 65 | 2365 25022000 |
| INDICATOR, CABIN-TEMPERATURE | AIR-CONDITIONING-880 | AIR | 460P | 65 | 2368 25026000 |
| INDICATOR, CABIN-TEMPERATURE | AIR-CONDITIONING-707-331 | AIR | 620P | 66 | 2362 25028000 |
| INDICATOR, CABIN-TEMPERATURE | AIR-CONDITIONING-831C/373C | AIR | 980P | 65 | 2365 25130000 |
| INDICATOR, CONSTANT, SPEED | ELECTRICAL-POWER-727 | AIR | 150P | 66 | 2365 25032000 |
| INDICATOR, CONSTANT, SPEED | ELECTRICAL-POWER-727 | AIR | 200P | 66 | 2365 25034000 |
| INDICATOR, CONSTANT, SPEED | ELECTRICAL-POWER-727 | AIR | 370P | 66 | 2365 25036000 |
| INDICATOR, CONSTANT, SPEED | ELECTRICAL-POWER-727 | AIR | 380P | 65 | 2365 25038000 |
| INDICATOR, CONSTANT, SPEED | ELECTRICAL-POWER-727 | AIR | 380P | 66 | 2365 25040000 |
| INDICATOR, CONSTANT, SPEED | ELECTRICAL-POWER-707-131B | AIR | 30P | 66 | 2362 25042000 |
| INDICATOR, CONSTANT, SPEED | ELECTRICAL-POWER-707-131B | AIR | 40P | 66 | 2362 25044000 |
| INDICATOR, CONSTANT, SPEED | ELECTRICAL-POWER-707-131 | AIR | 60P | 66 | 2362 25046000 |
| INDICATOR, CONSTANT, SPEED | ELECTRICAL-POWER-707-131 | AIR | 110P | 66 | 2362 25048000 |
| INDICATOR, CONSTANT, SPEED | ELECTRICAL-POWER-707-131 | AIR | 150P | 65 | 2362 25050000 |
| INDICATOR, CONSTANT, SPEED | ELECTRICAL-POWER-727 | AIR | 210P | 65 | 2360 25052000 |
| INDICATOR, CONSTANT, SPEED | ELECTRICAL-POWER-727 | AIR | 230P | 66 | 2360 25054000 |
| INDICATOR, CONSTANT, SPEED | ELECTRICAL-POWER-707-331 | AIR | 260P | 65 | 2362 25056000 |
| INDICATOR, CONSTANT, SPEED | ELECTRICAL-POWER-707-331 | AIR | 310P | 66 | 2362 25058000 |
| INDICATOR, CONSTANT, SPEED | ELECTRICAL-POWER-727 | AIR | 640P | 66 | 2360 25060000 |
| INDICATOR, COURSE | NAVIGATION-727 | AIR | 200P | 65 | 2330 25062000 |
| INDICATOR, COURSE | NAVIGATION-727 | AIR | 900P | 65 | 2330 25064000 |
| INDICATOR, COURSE | NAVIGATION-727 | AIR | 1030P | 66 | 2360 25066000 |
| INDICATOR, COURSE | NAVIGATION-727 | AIR | 1290P | 66 | 2360 25068000 |
| INDICATOR, COURSE | NAVIGATION-727 | AIR | 1370P | 65 | 2360 25070000 |
| INDICATOR, COURSE | NAVIGATION-727 | AIR | 1820P | 66 | 2365 25072000 |
| INDICATOR, COURSE | NAVIGATION-727 | AIR | 2440P | 65 | 2365 25074000 |
| INDICATOR, COURSE | NAVIGATION-727 | AIR | 3960P | 66 | 2365 25076000 |

RGME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | UPPER 90 CONF LIMIT | PART LATION | YR | CROSS |
|-----------------------------------|----------------------------|---------------------|--------------|-------------|------------------------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | PART LATION | CF DATA INDEX RPT SRC RE REF NO |
| 427 INDICATING AND MEASURING | | | | | |
| INDICATOR, COURSE-SELECTOR | | AIR | 100P | 65 | 2330 25078000 |
| INDICATOR, COURSE-SELECTOR | | AIR | 200P | 65 | 2330 25080000 |
| INDICATOR, CREW-COMPARTMENT-VALVE | AIR-CONDITIONING-331C/373C | AIR | 500P | 66 | 2365 25082000 |
| INDICATOR, DIFF-PRESSURE | AIR-CONDITIONING-880 | AIR | 160P | 65 | 2360 25084000 |
| INDICATOR, DIFF-PRESSURE | AIR-CONDITIONING-880 | AIR | 430P | 66 | 2360 25086000 |
| INDICATOR, DIFFERENTIAL-PRESSURE | AIR-CONDITIONING-880 | AIR | 160P | 65 | 2365 25088000 |
| INDICATOR, DIFFERENTIAL-PRESSURE | AIR-CONDITIONING-880 | AIR | 470P | 66 | 2365 25090000 |
| INDICATOR, DIFFERENTIAL-PRESSURE | AIR-CONDITIONING-880 | AIR | 840P | 66 | 2363 25092000 |
| INDICATOR, DME | NAVIGATION-727 | AIR | 200P | 65 | 2330 25094000 |
| INDICATOR, DME-DUAL | NAVIGATION-880 | AIR | 560P | 66 | 2360 25096000 |
| INDICATOR, DME-DUAL | NAVIGATION-707-131 | AIR | 70P | 66 | 2360 25098000 |
| INDICATOR, DME-DUAL | NAVIGATION-707-131 | AIR | 110P | 66 | 2362 25100000 |
| INDICATOR, DME-DUAL | NAVIGATION-707-131B | AIR | 120P | 66 | 2362 25102000 |
| INDICATOR, DME-DUAL | NAVIGATION-707-331B | AIR | 140P | 66 | 2362 25104000 |
| INDICATOR, DME-DUAL | NAVIGATION-880 | AIR | 150P | 66 | 2360 25106000 |
| INDICATOR, DME-DUAL | NAVIGATION-880 | AIR | 160P | 65 | 2360 25108000 |
| INDICATOR, DME-DUAL | NAVIGATION-331C/373C | AIR | 240P | 66 | 2360 25110000 |
| INDICATOR, DME-DUAL | NAVIGATION-707-331B | AIR | 240P | 66 | 2362 25112000 |
| INDICATOR, DME-DUAL | NAVIGATION-331C/373C | AIR | 250P | 66 | 2360 25114000 |
| INDICATOR, DME-DUAL | NAVIGATION-707-131B | AIR | 270P | 66 | 2362 25116000 |
| INDICATOR, DME-DUAL | NAVIGATION-880 | AIR | 300P | 66 | 2365 25118000 |
| INDICATOR, DME-DUAL | NAVIGATION-707-331 | AIR | 340P | 65 | 2362 25120000 |
| INDICATOR, DME-DUAL | NAVIGATION-707-131B | AIR | 440P | 66 | 2362 25122000 |
| INDICATOR, DME-DUAL | NAVIGATION-707-331 | AIR | 460P | 66 | 2362 25124000 |
| INDICATOR, DME-DUAL | NAVIGATION-331C/373C | AIR | 460P | 65 | 2360 25126000 |
| INDICATOR, DME-DUAL | NAVIGATION-707-131B | AIR | 480P | 65 | 2362 25128000 |
| INDICATOR, DME-DUAL | NAVIGATION-880 | AIR | 630P | 66 | 2365 25130000 |
| INDICATOR, DME-DUAL | NAVIGATION-331C/373C | AIR | 980P | 65 | 2365 25132000 |
| INDICATOR, DOPPLER | NAVIGATION-707-331 | AIR | 170P | 65 | 2362 25134000 |
| INDICATOR, DOPPLER | NAVIGATION-707-331 | AIR | 170P | 66 | 2362 25136000 |
| INDICATOR, DOPPLER | NAVIGATION-331C/373C | AIR | 230P | 65 | 2360 25138000 |
| INDICATOR, DOPPLER | NAVIGATION-331C/373C | AIR | 240P | 66 | 2360 25140000 |
| INDICATOR, DOPPLER | NAVIGATION-331C/373C | AIR | 250P | 66 | 2365 25142000 |
| INDICATOR, DOPPLER | NAVIGATION-707-331B | AIR | 260P | 66 | 2362 25144000 |
| INDICATOR, DOPPLER | NAVIGATION-707-331 | AIR | 460P | 66 | 2362 25146000 |
| INDICATOR, DOPPLER | NAVIGATION-331C/373C | AIR | 500P | 66 | 2365 25148000 |
| INDICATOR, DOPPLER | NAVIGATION-707-331B | AIR | 530P | 65 | 2362 25150000 |
| INDICATOR, DOPPLER | NAVIGATION-707-331B | AIR | 730P | 66 | 2362 25152000 |
| INDICATOR, DUAL-AIR-PRESSURE | AIR-CONDITIONING-727 | AIR | 210P | 66 | 2365 25154000 |
| INDICATOR, DUAL-AIR-PRESSURE | AIR-CONDITIONING-727 | AIR | 190P | 65 | 2360 25156000 |

RHME AIR DEVELOPMENT CENTER, SUFFOLK, AFB, M.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | VR | CROSS |
|------------------------------------|----------------------------------|------------------------|-------------|--------------|---------------------|-------------|---------------|-----------------|
| PART DESCRIPTION | | | | | | | OF DATA INDEX | RPT SAGE REF NO |
| .40 INDICATING AND MEASURING | | | | | | | | |
| INDICATOR, DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-131B | AIR | 70P | | | | 65 | 2364 25158000 |
| INDICATOR, DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-331 | AIR | 170P | | | | 66 | 2364 25160000 |
| INDICATOR, DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-331B | AIR | 190P | | | | 66 | 2364 25162000 |
| INDICATOR, DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-331B | AIR | 210P | | | | 65 | 2364 25164000 |
| INDICATOR, DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-131 | AIR | 230P | | | | 66 | 2364 25166000 |
| INDICATOR, DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-331 | AIR | 310P | | | | 65 | 2364 25168000 |
| INDICATOR, DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-131B | AIR | 330P | | | | 66 | 2364 25170000 |
| INDICATOR, DUAL-FLAP-POSITION | FLIGHT-CONTROLS.727 | AIR | 370P | | | | 66 | 2360 25172000 |
| INDICATOR, DUAL-FLAP-POSITION | FLIGHT-CONTROLS.331C/373C | AIR | 500P | | | | 66 | 2360 25174000 |
| INDICATOR, DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-131 | AIR | 560P | | | | 66 | 2364 25176000 |
| INDICATOR, DUAL-FLAP-POSITION | FLIGHT-CONTROLS.707-331 | AIR | 780P | | | | 66 | 2364 25178000 |
| INDICATOR, DUCT-TEMPERATURE, -200C | AIR-CONDITIONING.727 | AIR | 110P | | | | 66 | 2365 25180000 |
| INDICATOR, DUEL-DUCT-TEMPERATURE | ICE-AND-RAIN-PROTECTION.707-331B | AIR | 190P | | | | 66 | 2364 25182000 |
| INDICATOR, DUEL-DUCT-TEMPERATURE | ICE-AND-RAIN-PROTECTION.707-131 | AIR | 270P | | | | 65 | 2364 25184000 |
| INDICATOR, DUEL-DUCT-TEMPERATURE | ICE-AND-RAIN-PROTECTION.707-331B | AIR | 420P | | | | 65 | 2364 25186000 |
| INDICATOR, ENGINE-OIL-PRESSURE | OIL.680 | AIR | 120P | | | | 65 | 2365 25188000 |
| INDICATOR, ENGINE-OIL-PRESSURE | OIL.680 | AIR | 150P | | | | 66 | 2365 25190000 |
| INDICATOR, ENGINE-OIL-PRESSURE | OIL.680 | AIR | 240P | | | | 66 | 2365 25192000 |
| INDICATOR, ENGINE-OIL-QUANTITY | OIL.331C/373C | AIR | 130P | | | | 66 | 2365 25194000 |
| INDICATOR, ENGINE-OIL-QUANTITY | OIL.707-331B | AIR | 180P | | | | 66 | 2362 25196000 |
| INDICATOR, ENGINE-OIL-QUANTITY | OIL.707-331B | AIR | 210P | | | | 66 | 2362 25198000 |
| INDICATOR, ENGINE-OIL-QUANTITY | OIL.331C/373C | AIR | 250P | | | | 66 | 2365 25200000 |
| INDICATOR, ENGINE-OIL-QUANTITY | OIL.707-131B | AIR | 270P | | | | 66 | 2362 25202000 |

ROME AIR DEVELOPMENT CENTER, GRIFFESS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | ART HOURS | YR | CROSS |
|------------|-----------------|------------------|------------------------|-------------|--------------|---------------------|-------------|-----------|----|-------|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | </ | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

REHELE-TROHMIS PART FAILURE RATE DATA

JANUARY 1963

| PART CLASS | 427 INSTRUMENTS | UPPER PART | YR | CROSS |
|-------------------------------|----------------------------|--------------|---------|------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | PERCENT | OF DATA INDEX |
| | | ENVIRONMENT | LIMIT | RPT SRCE REF HQ |
| -40 INDICATING AND MEASURING | | | | |
| INDICATOR-ENGINE-VIBRATION | ENGINE-INDICATING-707-331 | AIR | 85P | 66 2342 25264000 |
| INDICATOR-ENGINE-VIBRATION | ENGINE-INDICATING-707-131 | AIR | 90P | 66 2342 25264000 |
| INDICATOR-ENGINE-VIBRATION | ENGINE-INDICATING-707-331 | AIR | 85P | 66 2342 25264000 |
| INDICATOR-ENGINE-VIBRATION | ENGINE-INDICATING-707-331 | AIR | 85P | 66 2342 25264000 |
| INDICATOR-ENGINE-VIBRATION | ENGINE-INDICATING-707-331 | AIR | 90P | 66 2342 25264000 |
| INDICATOR-ENGINE-VIBRATION | ENGINE-INDICATING-707-131B | AIR | 120P | 66 2342 25264000 |
| INDICATOR-ENGINE-VIBRATION | ENGINE-INDICATING-707-331B | AIR | 130P | 66 2342 25264000 |
| INDICATOR-ENGINE-VIBRATION | ENGINE-INDICATING-800 | AIR | 150P | 66 2342 25264000 |
| INDICATOR-ENGINE-VIBRATION | ENGINE-INDICATING-800 | AIR | 90P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | ENGINE-INDICATING-87J | AIR | 1420P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | ENGINE-INDICATING-80 | AIR | 1440P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | ENGINE-INDICATING-80 | AIR | 1660P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | ENGINE-INDICATING-880 | AIR | 1670P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | ENGINE-INDICATING-880 | AIR | 2090P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | FLIGHT-CONTROLS-880 | AIR | 300P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | FLIGHT-CONTROLS-880 | AIR | 1160P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | FLIGHT-CONTROLS-727 | AIR | 180P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | FLIGHT-CONTROLS-727 | AIR | 270P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | FLIGHT-CONTROLS-727 | AIR | 560P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | FLIGHT-CONTROL-727 | AIR | 470P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | FLIGHT-CONTROL-727 | AIR | 870P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | NAVIGATION-331C/373C | AIR | 230P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | NAVIGATION-331C/373C | AIR | 240P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | NAVIGATION-880 | AIR | 450P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | NAVIGATION-880 | AIR | 710P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | NAVIGATION-707-131 | AIR | 760P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | NAVIGATION-707-331 | AIR | 1370P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | NAVIGATION-707-331B | AIR | 1420P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | NAVIGATION-331C/373C | AIR | 1520P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | NAVIGATION-707-131B | AIR | 1980P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | NAVIGATION-707-131 | AIR | 2000P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | NAVIGATION-331C/373C | AIR | 2020P | 66 2342 25264000 |
| INDICATOR-EXHAUST-TEMPERATURE | NAVIGATION-331C/373C | AIR | 2060P | 66 2342 25264000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NONELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|---------------------------------|----------------------------------|------------------------|-------------|--------------|-------------|-----------------|------------|------------|-------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| .40 INDICATING AND MEASURING | | | | | | | | | |
| INDICATOR, FLIGHT-PATH | NAVIGATION, 707-1318 | AIR | 2160P | 66 | 2362 | 25332000 | | | |
| INDICATOR, FLIGHT-PATH | NAVIGATION, 707-131 | AIR | 2290P | 66 | 2362 | 25334000 | | | |
| INDICATOR, FLIGHT-PATH | NAVIGATION, 707-3318 | AIR | 2430P | 66 | 2362 | 25336000 | | | |
| INDICATOR, FLIGHT-PATH | NAVIGATION, 707-131 | AIR | 2480P | 66 | 2362 | 25338000 | | | |
| INDICATOR, FLIGHT-PATH | NAVIGATION, 707-331 | AIR | 2700P | 66 | 2362 | 25340000 | | | |
| INDICATOR, FREE-AIR-TEMPERATURE | NAVIGATION, 800 | AIR | 160P | 66 | 2365 | 25342000 | | | |
| INDICATOR, FREQUENCY-PRESSURE | AIR-CONDITIONING, 707-3318 | AIR | 120P | 66 | 2362 | 25344000 | | | |
| INDICATOR, FUEL | ENGINE-FUEL-AND-CONTROL, 707-131 | AIR | 532,258 | 671,837 | 66 | 2134 | 25346000 | | |
| INDICATOR, FUEL-FLOW | ENGINE-FUEL-AND-CONTROL, 707-131 | AIR | 80P | | 65 | 2362 | 25348000 | | |
| INDICATOR, FUEL-FLOW | FUEL, 707-1318 | AIR | 110P | | 66 | 2362 | 25350000 | | |
| INDICATOR, FUEL-FLOW | ENGINE-FUEL-AND-CONTROL, 880 | AIR | 230P | | 67 | 2364 | 25352000 | | |
| INDICATOR, FUEL-FLOW | FUEL, 707-1318 | AIR | 240P | | 66 | 2365 | 25354000 | | |
| INDICATOR, FUEL-FLOW | ENGINE-FUEL-AND-CONTROL, 707-331 | AIR | 420P | | 66 | 2364 | 25356000 | | |
| INDICATOR, FUEL-FLOW | FUEL, 707-1318 | AIR | 430P | | 66 | 2364 | 25360000 | | |
| INDICATOR, FUEL-FLOW | ENGINE-FUEL-AND-CONTROL, 880 | AIR | 520P | | 65 | 2365 | 25362000 | | |
| INDICATOR, FUEL-FLOW | FUEL, 707-1318 | AIR | 640P | | 66 | 2362 | 25364000 | | |
| INDICATOR, FUEL-FLOW | ENGINE-FUEL-AND-CONTROL, 707-331 | AIR | 640P | | 65 | 2362 | 25366000 | | |
| INDICATOR, FUEL-FLOW | FUEL, 707-1318 | AIR | 680P | | 65 | 2362 | 25368000 | | |
| INDICATOR, FUEL-FLOW | ENGINE-FUEL-AND-CONTROL, 880 | AIR | 880P | | 66 | 2362 | 25370000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 910P | | 66 | 2365 | 25372000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 20P | | 65 | 2362 | 25374000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 30P | | 66 | 2362 | 25376000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 30P | | 66 | 2364 | 25378000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 40P | | 65 | 2364 | 25380000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 40P | | 65 | 2362 | 25382000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-331 | AIR | 40P | | 66 | 2362 | 25384000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 50P | | 66 | 2364 | 25386000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 50P | | 65 | 2364 | 25388000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 60P | | 66 | 2354 | 25390000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 60P | | 65 | 2362 | 25392000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 70P | | 66 | 2362 | 25394000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 70P | | 67 | 2364 | 25396000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 70P | | 66 | 2364 | 25398000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 80P | | 65 | 2362 | 25400000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 80P | | 66 | 2362 | 25402000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 120P | | 66 | 2362 | 25404000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 130P | | 66 | 2362 | 25406000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 130P | | 66 | 2362 | 25408000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 130P | | 66 | 2364 | 25410000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 130P | | 66 | 2364 | 25412000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 130P | | 66 | 2364 | 25414000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 130P | | 66 | 2364 | 25416000 | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 130P | | 66 | 2364 | 25418000 | | |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER SO CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------------------|-----------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|-------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| .40 INDICATING AND MEASURING | | | | | | | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 130P | 66 | 2364 | 25420000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 130P | 66 | 2364 | 25420000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 130P | 66 | 2362 | 25424000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 140P | 65 | 2364 | 25426000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 140P | 65 | 2364 | 25428000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 140P | 65 | 2364 | 25430000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 150P | 65 | 2364 | 25432000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-331 | AIR | 150P | 65 | 2364 | 25434000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-331 | AIR | 150P | 66 | 2362 | 25436000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 150P | 66 | 2362 | 25438000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 150P | 66 | 2362 | 25440000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 880 | AIR | 150P | 66 | 2360 | 25442000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-331 | AIR | 150P | 66 | 2362 | 25444000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 160P | 65 | 2362 | 25446000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 160P | 65 | 2362 | 25448000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-331 | AIR | 170P | 65 | 2362 | 25450000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-331 | AIR | 170P | 65 | 2362 | 25452000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 880 | AIR | 170P | 66 | 2363 | 25456000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-331 | AIR | 170P | 65 | 2362 | 25458000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 180P | 65 | 2364 | 25460000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-3318 | AIR | 190P | 66 | 2364 | 25462000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-3318 | AIR | 190P | 66 | 2364 | 25464000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 200P | 65 | 2362 | 25466000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-3318 | AIR | 210P | 65 | 2364 | 25468000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-3318 | AIR | 210P | 65 | 2364 | 25470000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 220P | 66 | 2364 | 25472000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 220P | 66 | 2364 | 25474000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 220P | 66 | 2364 | 25476000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 220P | 66 | 2362 | 25478000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 880 | AIR | 230P | 66 | 2360 | 25480000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 230P | 66 | 2362 | 25482000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 230P | 66 | 2364 | 25484000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 230P | 65 | 2362 | 25486000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 331C/373C | AIR | 240P | 66 | 2360 | 25488000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-3318 | AIR | 240P | 66 | 2362 | 25490000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-3318 | AIR | 240P | 66 | 2362 | 25492000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 331C/373C | AIR | 250P | 66 | 2360 | 25494000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 331C/373C | AIR | 250P | 66 | 2360 | 25496000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-131 | AIR | 250P | 66 | 2362 | 25498000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-3318 | AIR | 260P | 65 | 2362 | 25500000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-3318 | AIR | 260P | 65 | 2362 | 25502000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-1318 | AIR | 260P | 66 | 2364 | 25504000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-3318 | AIR | 260P | 66 | 2364 | 25506000 | | | |
| INDICATOR, FUEL-QUANTITY | FUEL, 707-3318 | AIR | 260P | 66 | 2364 | 25508000 | | | |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 95 CONF LIMIT | PART POPULATION | PART LATION | MPURS | YR | CROSS OF DATA INDEX |
|------------------------------|-----------------|------------------------|-------------|--------------|---------------------|-----------------|-------------|-------|----------|---------------------|
| PART DESCRIPTION | | | | | | | | | RPT SRCE | REL NO |
| 4.1 INDICATING AND MEASURING | | | | | | | | | | |
| INDICATOR, FUEL-QUANTITY | FUEL-727 | | AIR | 27GP | | | | | 65 | 2360 25512000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-1218 | | AIR | 280P | | | | | 65 | 2364 25512000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-1218 | | AIR | 290P | | | | | 66 | 2362 25514000 |
| INDICATOR, FUEL-QUANTITY | FUEL-880 | | AIR | 300P | | | | | 66 | 2363 25516000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-231 | | AIR | 310P | | | | | 66 | 2362 25518000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-331 | | AIR | 310P | | | | | 66 | 2362 25520000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-231 | | AIR | 310P | | | | | 65 | 2264 25522000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-1218 | | AIR | 320P | | | | | 65 | 2362 25524000 |
| INDICATOR, FUEL-QUANTITY | FUEL-880 | | AIR | 330P | | | | | 66 | 2263 25526000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-331 | | AIR | 340P | | | | | 66 | 2362 25528000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-331 | | AIR | 340P | | | | | 66 | 2362 25530000 |
| INDICATOR, FUEL-QUANTITY | FUEL-727 | | AIR | 340P | | | | | 65 | 2363 25532000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-3318 | | AIR | 340P | | | | | 66 | 2364 25534000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-331 | | AIR | 340P | | | | | 66 | 2364 25536000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-331 | | AIR | 340P | | | | | 66 | 2364 25538000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-1218 | | AIR | 350P | | | | | 65 | 2362 25540000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-1218 | | AIR | 360P | | | | | 65 | 2362 25542000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-3318 | | AIR | 390P | | | | | 66 | 2364 25546000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-3318 | | AIR | 420P | | | | | 65 | 2364 25548000 |
| INDICATOR, FUEL-QUANTITY | FUEL-880 | | AIR | 430P | | | | | 66 | 2360 25550000 |
| INDICATOR, FUEL-QUANTITY | FUEL-430 | | AIR | 430P | | | | | 65 | 2363 25552000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-1218 | | AIR | 440P | | | | | 66 | 2362 25554000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-121 | | AIR | 450P | | | | | 66 | 2363 25556000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-121 | | AIR | 450P | | | | | 66 | 2364 25558000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-331 | | AIR | 460P | | | | | 66 | 2364 25560000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-1218 | | AIR | 460P | | | | | 65 | 2364 25562000 |
| INDICATOR, FUEL-QUANTITY | FUEL-331C/373C | | AIR | 470P | | | | | 66 | 2364 25564000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-121 | | AIR | 480P | | | | | 66 | 2360 25566000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-121 | | AIR | 490P | | | | | 66 | 2362 25568000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-1218 | | AIR | 490P | | | | | 65 | 2364 25570000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-331 | | AIR | 500P | | | | | 66 | 2364 25572000 |
| INDICATOR, FUEL-QUANTITY | FUEL-331C/373C | | AIR | 500P | | | | | 66 | 2360 25574000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-331 | | AIR | 510P | | | | | 65 | 2362 25576000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-3318 | | AIR | 530P | | | | | 65 | 2362 25578000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-3318 | | AIR | 530P | | | | | 65 | 2362 25580000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-1218 | | AIR | 530P | | | | | 66 | 2364 25582000 |
| INDICATOR, FUEL-QUANTITY | FUEL-727 | | AIR | 550P | | | | | 65 | 2360 25584000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-3318 | | AIR | 570P | | | | | 66 | 2362 25586000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-3318 | | AIR | 570P | | | | | 66 | 2362 25588000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-3318 | | AIR | 570P | | | | | 66 | 2362 25590000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-1218 | | AIR | 590P | | | | | 66 | 2364 25592000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-331 | | AIR | 630P | | | | | 66 | 2364 25594000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-331 | | AIR | 630P | | | | | 66 | 2364 25596000 |
| INDICATOR, FUEL-QUANTITY | FUEL-707-331 | | AIR | 630P | | | | | 66 | 2364 25598000 |

HOME AIR DEVELOPMENT CENTER, OFFICE AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRIC PART FAILURE RATE DATA

JANUARY 1953

| PART CLASS | 42 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 95 CONF LIMIT | PART POPULATION | PART HOURS | YR RPT | CRGS DATA INDEX | SPCE REF NO |
|-----------------------------|----------------|------------------------|-------------|--------------|---------------------|-----------------|------------|--------|-----------------|-------------|
| 40 INDICATING AND MEASURING | | | | | | | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 640P | 65 | 2362 | 2560000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 650P | 66 | 2360 | 2560200 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 660P | 66 | 2364 | 25634000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 670P | 66 | 2364 | 25606000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 680P | 66 | 2362 | 25608000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 690P | 66 | 2362 | 25610000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 700P | 66 | 2362 | 25612000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331B | AIR | 710P | 66 | 2362 | 25614000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 720P | 66 | 2360 | 25616000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 730P | 66 | 2362 | 25618000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 740P | 66 | 2362 | 25620000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 750P | 66 | 2364 | 25622000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331B | AIR | 760P | 66 | 2364 | 25624000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 770P | 66 | 2364 | 25626000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 780P | 66 | 2364 | 25628000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 790P | 66 | 2362 | 25630000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-860 | AIR | 800P | 66 | 2360 | 25632000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 810P | 66 | 2364 | 25634000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 820P | 66 | 2364 | 25636000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 830P | 66 | 2362 | 25638000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 840P | 66 | 2364 | 25640000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 850P | 66 | 2360 | 25642000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331B | AIR | 860P | 66 | 2364 | 25644000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 870P | 66 | 2362 | 25646000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 880P | 66 | 2364 | 25648000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 890P | 66 | 2362 | 25650000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 900P | 66 | 2364 | 25652000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 910P | 66 | 2362 | 25654000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 920P | 66 | 2364 | 25656000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 930P | 66 | 2362 | 25658000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331B | AIR | 940P | 66 | 2364 | 25660000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 950P | 66 | 2360 | 25662000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 960P | 66 | 2364 | 25664000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 970P | 66 | 2362 | 25666000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 980P | 66 | 2364 | 25668000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 990P | 66 | 2362 | 25670000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 1000P | 66 | 2364 | 25672000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1010P | 66 | 2362 | 25674000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1020P | 66 | 2364 | 25676000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331B | AIR | 1030P | 66 | 2362 | 25678000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1040P | 66 | 2364 | 25680000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1050P | 66 | 2362 | 25682000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 1060P | 66 | 2364 | 25684000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 1070P | 66 | 2362 | 25686000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1080P | 66 | 2364 | 25688000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 1090P | 66 | 2362 | 25690000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1100P | 66 | 2364 | 25692000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1110P | 66 | 2362 | 25694000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331B | AIR | 1120P | 66 | 2364 | 25696000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1130P | 66 | 2362 | 25698000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1140P | 66 | 2364 | 25700000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 1150P | 66 | 2362 | 25702000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 1160P | 66 | 2364 | 25704000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1170P | 66 | 2362 | 25706000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1180P | 66 | 2364 | 25708000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331B | AIR | 1190P | 66 | 2362 | 25710000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1200P | 66 | 2364 | 25712000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 1210P | 66 | 2362 | 25714000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1220P | 66 | 2364 | 25716000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 1230P | 66 | 2362 | 25718000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1240P | 66 | 2364 | 25720000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1250P | 66 | 2362 | 25722000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331B | AIR | 1260P | 66 | 2364 | 25724000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 1270P | 66 | 2362 | 25726000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1280P | 66 | 2364 | 25728000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1290P | 66 | 2362 | 25730000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 1300P | 66 | 2364 | 25732000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 1310P | 66 | 2362 | 25734000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1320P | 66 | 2364 | 25736000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 1330P | 66 | 2362 | 25738000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1340P | 66 | 2364 | 25740000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1350P | 66 | 2362 | 25742000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331B | AIR | 1360P | 66 | 2364 | 25744000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 1370P | 66 | 2362 | 25746000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1380P | 66 | 2364 | 25748000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1390P | 66 | 2362 | 25750000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 1400P | 66 | 2364 | 25752000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 1410P | 66 | 2362 | 25754000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1420P | 66 | 2364 | 25756000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 1430P | 66 | 2362 | 25758000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1440P | 66 | 2364 | 25760000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 1450P | 66 | 2362 | 25762000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1460P | 66 | 2364 | 25764000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331B | AIR | 1470P | 66 | 2362 | 25766000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1480P | 66 | 2364 | 25768000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 1490P | 66 | 2362 | 25770000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1500P | 66 | 2364 | 25772000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 1510P | 66 | 2362 | 25774000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1520P | 66 | 2364 | 25776000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 1530P | 66 | 2362 | 25778000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1540P | 66 | 2364 | 25780000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331B | AIR | 1550P | 66 | 2362 | 25782000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1560P | 66 | 2364 | 25784000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 1570P | 66 | 2362 | 25786000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1580P | 66 | 2364 | 25788000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 1590P | 66 | 2362 | 25790000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1600P | 66 | 2364 | 25792000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 1610P | 66 | 2362 | 25794000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1620P | 66 | 2364 | 25796000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331B | AIR | 1630P | 66 | 2362 | 25798000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1640P | 66 | 2364 | 25800000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 1650P | 66 | 2362 | 25802000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1660P | 66 | 2364 | 25804000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 1670P | 66 | 2362 | 25806000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1680P | 66 | 2364 | 25808000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 1690P | 66 | 2362 | 25810000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1700P | 66 | 2364 | 25812000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331B | AIR | 1710P | 66 | 2362 | 25814000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1720P | 66 | 2364 | 25816000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 1730P | 66 | 2362 | 25818000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1740P | 66 | 2364 | 25820000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 1750P | 66 | 2362 | 25822000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1760P | 66 | 2364 | 25824000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 1770P | 66 | 2362 | 25826000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1780P | 66 | 2364 | 25828000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331B | AIR | 1790P | 66 | 2362 | 25830000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1800P | 66 | 2364 | 25832000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 1810P | 66 | 2362 | 25834000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1820P | 66 | 2364 | 25836000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 1830P | 66 | 2362 | 25838000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1840P | 66 | 2364 | 25840000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 1850P | 66 | 2362 | 25842000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1860P | 66 | 2364 | 25844000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331B | AIR | 1870P | 66 | 2362 | 25846000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131 | AIR | 1880P | 66 | 2364 | 25848000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 1890P | 66 | 2362 | 25850000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1900P | 66 | 2364 | 25852000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-131B | AIR | 1910P | 66 | 2362 | 25854000 | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-707-331 | AIR | 1920P | 66 | 2364 | 25 | | | | |

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

HOME AIR DEV LOPEP CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

| PART CLASS | 27 INSTRUMENTS | FUNCTIONAL APPLICATION | FAILURE ENVIRONMENT RATE | UPPER 50 CONF PART LIMIT | PART LATION HOURS | YR OF DATA | CROSS INDEX |
|-----------------------------------|---------------------------------|------------------------|--------------------------|--------------------------|-------------------|------------|---------------|
| PART DESCRIPTION | | | | | | RPT | SPCE REF NO |
| -40 INDICATING AND MEASURING | | | | | | | |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 1750P | | | 65 | 2360 25695000 |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 2030P | | | 66 | 2360 25592000 |
| INDICATOR-FUEL-QUANTITY | FUEL-727 | AIR | 2810P | | | 66 | 2360 25094000 |
| INDICATOR-FUEL-QUANTITY | FUEL-707-1318 | AIR | 27006P | | | 65 | 2364 25094000 |
| INDICATOR-FUEL-QUANTITY-TANK-LEFT | FUEL-860 | AIR | 500P | | | 65 | 2330 25698000 |
| INDICATOR-FUEL-QUANTITY-TOTAL | FUEL-860 | AIR | 720P | | | 66 | 2360 25000000 |
| INDICATOR-FUEL-QUANTITY-TOTAL | FUEL-860 | AIR | 750P | | | 65 | 2360 25702000 |
| INDICATOR-FUEL-QUANTITY-TOTAL | FUEL-860 | AIR | 1060P | | | 66 | 2360 25704000 |
| INDICATOR-FUEL-QUANTITY-TOTAL | FUEL-707-131 | AIR | 220P | | | 66 | 2364 25705000 |
| INDICATOR-FUEL-QUANTITY-TOTAL | FUEL-707-131 | AIR | 450P | | | 66 | 2362 25708000 |
| INDICATOR-FUEL-QUANTITY-TOTAL | FUEL-707-131 | AIR | 690P | | | 66 | 2362 25710000 |
| INDICATOR-FUEL-TEMPERATURE | FUEL-707-331 | AIR | 150P | | | 65 | 2364 25712000 |
| INDICATOR-FUEL-TEMPERATURE | ENGINE-FUEL-AND-CONTROL-707-131 | AIR | 250P | | | 66 | 2362 25714000 |
| INDICATOR-FUEL-TEMPERATURE | FUEL-707-331 | AIR | 670P | | | 66 | 2364 25716000 |
| INDICATOR-FUEL-TEMPERATURE | FUEL-707-331 | AIR | 680P | | | 66 | 2362 25718000 |
| INDICATOR-FUEL-TEMPERATURE | ENGINE-FUEL-AND-CONTROL-707-131 | AIR | 910P | | | 65 | 2362 25720000 |
| INDICATOR-FUEL-TEMPERATURE | FUEL-707-331 | AIR | 940P | | | 66 | 2364 25722000 |
| INDICATOR-FUEL-TEMPERATURE | FUEL-707-331 | AIR | 1550P | | | 66 | 2362 25724000 |
| INDICATOR-FUEL-TOTALIZING | FUEL-707-331 | AIR | 340P | | | 65 | 2362 25726000 |
| INDICATOR-GYRO-H5- | | AIR | 400P | | | 65 | 2330 25728000 |
| HORIZONTAL | | AIR | 300P | | | 55 | 2330 25730000 |
| INDICATOR-GYRO-H6- | | AIR | 230P | | | 65 | 2360 25732000 |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-331C/373C | AIR | 250P | | | 66 | 2360 25734000 |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-707-1318 | AIR | 720P | | | 65 | 2362 25736000 |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-331C/373C | AIR | 730P | | | 65 | 2365 25738000 |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-331C/373C | AIR | 750P | | | 66 | 2360 25740000 |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-707-131 | AIR | 760P | | | 66 | 2365 25742000 |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-707-131 | AIR | 780P | | | 65 | 2362 25744000 |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-331C/373C | AIR | 880P | | | 66 | 2362 25746000 |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-707-1318 | AIR | 960P | | | 66 | 2360 25748000 |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-707-331 | AIR | 1010P | | | 65 | 2362 25750000 |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-707-331 | AIR | 1020P | | | 65 | 2362 25752000 |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-707-131 | AIR | 1030P | | | 66 | 2362 25754000 |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-REC | AIR | 1660P | | | 66 | 2360 25756000 |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-880 | AIR | 1190P | | | 66 | 2365 25758000 |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-880 | AIR | 1210P | | | 66 | 2365 25760000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NUMERICAL PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 427 INSTRUMENTS

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART CATEGORY | PART HOURS | YR OF DATA RPT SINCE REF NO | CROSS INDEX |
|------------------------------------|--------------------------|-------------|--------------|---------------------|---------------|------------|-----------------------------|---------------|
| 40 INDICATING AND MEASURING | | | | | | | | |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-707-131 | AIR | 140P | | | | 66 | 2362 25762000 |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-707-331B | AIR | 130P | | | | 66 | 2362 25764000 |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-880 | AIR | 130P | | | | 66 | 2362 25766000 |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-707-331 | AIR | 130P | | | | 66 | 2362 25768000 |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-880 | AIR | 150P | | | | 65 | 2363 25770000 |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-707-331B | AIR | 170P | | | | 66 | 2362 25772000 |
| INDICATOR-HORIZON-DIRECTOR | NAVIGATION-880 | AIR | 180P | | | | 65 | 2362 25774000 |
| INDICATOR-HYDRAULIC-BRAKE-PRESSURE | LANDING-GEAR-727 | AIR | 200P | | | | 65 | 2365 25776000 |
| INDICATOR-HYDRAULIC-BRAKE-373C | LANDING-GEAR-707-131B | AIR | 190P | | | | 66 | 2360 25778000 |
| INDICATOR-HYDRAULIC-BRAKE-373C | LANDING-GEAR-707-131B | AIR | 190P | | | | 66 | 2364 25780000 |
| INDICATOR-HYDRAULIC-BRAKE-373C | LANDING-GEAR-707-331B | AIR | 170P | | | | 66 | 2364 25782000 |
| INDICATOR-HYDRAULIC-BRAKE-373C | LANDING-GEAR-707-331B | AIR | 190P | | | | 66 | 2364 25784000 |
| INDICATOR-HYDRAULIC-BRAKE-373C | LANDING-GEAR-707-331B | AIR | 190P | | | | 66 | 2364 25786000 |
| INDICATOR-HYDRAULIC-BRAKE-373C | LANDING-GEAR-707-131 | AIR | 220P | | | | 66 | 2364 25788000 |
| INDICATOR-HYDRAULIC-BRAKE-373C | LANDING-GEAR-707-131 | AIR | 230P | | | | 66 | 2364 25790000 |
| INDICATOR-HYDRAULIC-BRAKE-373C | LANDING-GEAR-707-331B | AIR | 420P | | | | 65 | 2364 25792000 |
| INDICATOR-HYDRAULIC-FLUID-QUANTITY | HYDRAULIC-POWER-707-131B | AIR | 130P | | | | 66 | 2364 25794000 |
| INDICATOR-HYDRAULIC-FLUID-QUANTITY | HYDRAULIC-POWER-707-131B | AIR | 130P | | | | 66 | 2364 25796000 |
| INDICATOR-HYDRAULIC-FLUID-QUANTITY | HYDRAULIC-POWER-707-131B | AIR | 130P | | | | 66 | 2362 25798000 |
| INDICATOR-HYDRAULIC-FLUID-QUANTITY | HYDRAULIC-POWER-707-131 | AIR | 230P | | | | 66 | 2362 25800000 |
| INDICATOR-HYDRAULIC-FLUID-QUANTITY | HYDRAULIC-POWER-707-331B | AIR | 240P | | | | 66 | 2362 25802000 |
| INDICATOR-HYDRAULIC-FLUID-QUANTITY | HYDRAULIC-POWER-707-131 | AIR | 750P | | | | 56 | 2362 23804000 |
| INDICATOR-HYDRAULIC-FLUID-QUANTITY | HYDRAULIC-POWER-707-331B | AIR | 280P | | | | 56 | 2362 25806000 |
| INDICATOR-HYDRAULIC-FLUID-QUANTITY | HYDRAULIC-POWER-707-331 | AIR | 340P | | | | 66 | 2364 25808000 |
| INDICATOR-HYDRAULIC-FLUID-QUANTITY | HYDRAULIC-POWER-707-131B | AIR | 420P | | | | 65 | 2364 25810000 |
| INDICATOR-HYDRAULIC-FLUID-QUANTITY | HYDRAULIC-POWER-707-131 | AIR | 450P | | | | 66 | 2364 25812000 |
| INDICATOR-HYDRAULIC-FLUID-QUANTITY | HYDRAULIC-POWER-707-331 | AIR | 620P | | | | 65 | 2362 25814000 |

ROWE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA INDEX | CROSS RPT SRCE REF NO |
|--|---------------------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------------|-----------------------|
| .4C INDICATING AND MEASURING | | | | | | | | | |
| INDICATOR-HYDRAULIC-FLUID-QUANTITY | HYDRAULIC-POWER.707-131 | AIR | 910P | 65 | 2362 | 25816000 | | | |
| INDICATOR-HYDRAULIC-FLUID-QUANTITY | HYDRAULIC-POWER.707-331 | AIR | 1010P | 66 | 2362 | 25818000 | | | |
| INDICATOR-HYDRAULIC-PRESSURE | HYDRAULIC-POWER.707-131 | AIR | 70P | 66 | 2364 | 25820000 | | | |
| INDICATOR-HYDRAULIC-PRESSURE | HYDRAULIC-POWER.707-131 | AIR | 90P | 65 | 2364 | 25822000 | | | |
| INDICATOR-HYDRAULIC-PRESSURE | HYDRAULIC-POWER.707-131B | AIR | 130P | 66 | 2364 | 25824000 | | | |
| INDICATOR-HYDRAULIC-PRESSURE | HYDRAULIC-POWER.707-131B | AIR | 120P | 66 | 2364 | 25826000 | | | |
| INDICATOR-HYDRAULIC-PRESSURE | HYDRAULIC-POWER.707-331B | AIR | 130P | 66 | 2364 | 25828000 | | | |
| INDICATOR-HYDRAULIC-PRESSURE | HYDRAULIC-POWER.707-331 | AIR | 310P | 65 | 2364 | 25830000 | | | |
| INDICATOR-HYDRAULIC-PRESSURE | HYDRAULIC-POWER.707-331 | AIR | 420P | 66 | 2364 | 25832000 | | | |
| INDICATOR-HYDRAULIC-PRESSURE | HYDRAULIC-POWER.707-331 | AIR | 750P | 66 | 2364 | 25834000 | | | |
| INDICATOR-HYDRAULIC-PRESSURE | HYDRAULIC-POWER.707-331B | AIR | 850P | 65 | 2364 | 25836000 | | | |
| INDICATOR-HYDRAULIC-QUANTITY-A-FORWARD | HYDRAULIC-POWER.727 | AIR | 180P | 66 | 2360 | 25638000 | | | |
| INDICATOR-HYDRAULIC-QUANTITY-A-FORWARD | HYDRAULIC-POWER.727 | AIR | 270P | 65 | 2360 | 25840000 | | | |
| INDICATOR-HYDRAULIC-QUANTITY-A-FORWARD | HYDRAULIC-POWER.727 | AIR | 560P | 66 | 2360 | 25842000 | | | |
| INDICATOR-HYDRAULIC-QUANTITY-AFT | HYDRAULIC-POWER.727 | AIR | 180P | 66 | 2360 | 25844000 | | | |
| INDICATOR-HYDRAULIC-QUANTITY-AFT | HYDRAULIC-POWER.727 | AIR | 270P | 65 | 2360 | 25846000 | | | |
| INDICATOR-HYDRAULIC-QUANTITY-AFT | HYDRAULIC-POWER.727 | AIR | 190P | 66 | 2360 | 25848000 | | | |
| INDICATOR-HYDRAULIC-QUANTITY-AFT | HYDRAULIC-POWER.727 | AIR | 370P | 66 | 2360 | 25850000 | | | |
| INDICATOR-HYDRAULIC-QUANTITY-AFT | HYDRAULIC-POWER.331C/373C | AIR | 170P | 66 | 2365 | 25852000 | | | |
| INDICATOR-HYDRAULIC-QUANTITY-AFT | HYDRAULIC-POWER.331C/373C | AIR | 450P | 65 | 2365 | 25854000 | | | |
| INDICATOR-HYDRAULIC-QUANTITY-AFT | FLIGHT-CONTROLS.880 | AIR | 150P | 66 | 2360 | 25856000 | | | |
| INDICATOR-HYDRAULIC-QUANTITY-AFT | FLIGHT-CONTROLS.880 | AIR | 160P | 65 | 2360 | 25858000 | | | |
| INDICATOR-HYDRAULIC-QUANTITY-AFT | FLIGHT-CONTROLS.880 | AIR | 430P | 66 | 2360 | 25860000 | | | |
| INDICATOR-HYDRAULIC-QUANTITY-AFT | NAVIGATION.7-7-331 | AIR | 340P | 65 | 2362 | 25862000 | | | |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1967

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | PART HOURS | YR OF DATA | CRF |
|-----------------------------------|---------------------|------------------------|-------------|--------------|---------------------|-------------|------------|------------|--------|
| PART DESCRIPTION | | | | | | | | RPT SACE | REF NO |
| .40 INDICATING AND MEASURING | | | | | | | | | |
| INDICATOR-LOGAN | NAVIGATION-707-3318 | AIR | 570P | 66 | 2362 | 25864000 | | | |
| INDICATOR-MACHINE-METER-AND-TRANS | NAVIGATION-880 | AIR | 80P | 66 | 2363 | 25864000 | | | |
| INDICATOR-MACHINE-METER-AND-TRANS | NAVIGATION-880 | AIR | 90P | 65 | 2363 | 25864000 | | | |
| INDICATOR-MACHINE-METER-AND-TRANS | NAVIGATION-880 | AIR | 330P | 66 | 2363 | 25870000 | | | |
| INDICATOR-MASTER-TRUE-AIR-SPEED | NAVIGATION-707-131 | AIR | 220P | 66 | 2364 | 25872000 | | | |
| INDICATOR-MASTER-TRUE-AIR-SPEED | NAVIGATION-707-131 | AIR | 230P | 66 | 2364 | 25874000 | | | |
| INDICATOR-MASTER-TRUE-AIR-SPEED | NAVIGATION-707-131 | AIR | 230P | 66 | 2362 | 25876000 | | | |
| INDICATOR-MASTER-TRUE-AIR-SPEED | NAVIGATION-707-131 | AIR | 270P | 65 | 2364 | 25876000 | | | |
| INDICATOR-MASTER-TRUE-AIR-SPEED | NAVIGATION-707-3318 | AIR | 280P | 66 | 2362 | 25880000 | | | |
| INDICATOR-MASTER-TRUE-AIR-SPEED | NAVIGATION-707-1318 | AIR | 290P | 66 | 2362 | 25882000 | | | |
| INDICATOR-MASTER-TRUE-AIR-SPEED | NAVIGATION-880 | AIR | 300P | 66 | 2360 | 25884000 | | | |
| INDICATOR-MASTER-TRUE-AIR-SPEED | NAVIGATION-707-331 | AIR | 310P | 66 | 2362 | 25886000 | | | |
| INDICATOR-MASTER-TRUE-AIR-SPEED | NAVIGATION-707-331 | AIR | 310P | 66 | 2364 | 25888000 | | | |
| INDICATOR-MASTER-TRUE-AIR-SPEED | NAVIGATION-880 | AIR | 450P | 66 | 2365 | 25890000 | | | |
| INDICATOR-MASTER-TRUE-AIR-SPEED | NAVIGATION-707-3318 | AIR | 510P | 66 | 2364 | 25892000 | | | |
| INDICATOR-MASTER-TRUE-AIR-SPEED | NAVIGATION-707-3318 | AIR | 530P | 65 | 2362 | 25894000 | | | |
| INDICATOR-MASTER-TRUE-AIR-SPEED | NAVIGATION-707-331 | AIR | 600P | 66 | 2362 | 25896000 | | | |
| INDICATOR-MASTER-TRUE-AIR-SPEED | NAVIGATION-707-1318 | AIR | 700P | 65 | 2364 | 25898000 | | | |
| INDICATOR-MASTER-TRUE-AIR-SPEED | NAVIGATION-707-131 | AIR | 740P | 66 | 2362 | 25900000 | | | |
| INDICATOR-MASTER-TRUE-AIR-SPEED | NAVIGATION-707-3318 | AIR | 780P | 66 | 2364 | 25902000 | | | |
| INDICATOR-MASTER-TRUE-AIR-SPEED | NAVIGATION-707-1318 | AIR | 790P | 66 | 2364 | 25904000 | | | |
| INDICATOR-MASTER-TRUE-AIR-SPEED | NAVIGATION-880 | AIR | 790P | 65 | 2360 | 25906000 | | | |
| INDICATOR-MASTER-TRUE-AIR-SPEED | NAVIGATION-707-1318 | AIR | 800P | 65 | 2362 | 25908000 | | | |

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

 BONE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
 SECTION I
 FAILURE RATE DATA

| PART CLASS | 427 INSTRUMENTS | UPPER SC CONF LIMIT | PART PART | YR OF DATA INDEX | CROSS RPT SRCE REF NO |
|-------------------------------------|------------------------|---------------------------|-----------------|---------------------|--------------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT RATE | FAILURE RATE | LATION HOURS | |
| 427 INDICATING AND MEASURING | | | | | |
| INDICATOR MASTER- TRUE-AIR SPEED | NAVIGATION-880 | AIR | 870P | | 66 2360 25910000 |
| INDICATOR MASTER- TRUE-AIR SPEED | NAVIGATION-331C/373C | AIR | 930P | | 65 2360 25912000 |
| INDICATOR MASTER- TRUE-AIR SPEED | NAVIGATION-880 | AIR | 960P | | 65 2365 25914000 |
| INDICATOR MASTER- TRUE-AIR SPEED | NAVIGATION-707-331B | AIR | 970P | | 66 2362 25916000 |
| INDICATOR MASTER- TRUE-AIR SPEED | NAVIGATION-707-131B | AIR | 1200P | | 66 2364 25918000 |
| INDICATOR MASTER- TRUE-AIR SPEED | NAVIGATION-707-131 | AIR | 1210P | | 65 2362 25920000 |
| INDICATOR MASTER- TRUE-AIR SPEED | NAVIGATION-880 | AIR | 1270P | | 66 2365 25922000 |
| INDICATOR MASTER- TRUE-AIR SPEED | NAVIGATION-707-131B | AIR | 1350P | | 66 2362 25924000 |
| INDICATOR MASTER- TRUE-AIR SPEED | NAVIGATION-707-331 | AIR | 1540P | | 65 2364 25926000 |
| INDICATOR MASTER- TRUE-AIR SPEED | NAVIGATION-331C/373C | AIR | 1960P | | 65 2365 25928000 |
| INDICATOR MASTER- TRUE-AIR SPEED | NAVIGATION-880 | AIR | 360P | | 65 2363 25930000 |
| INDICATOR MASTER-TRUE- AIR SPEED | NAVIGATION-880 | AIR | 670P | | 66 2363 25932000 |
| INDICATOR MASTER-TRUE- AIR SPEED | NAVIGATION-880 | AIR | 910P | | 66 2363 25934000 |
| INDICATOR NAVIGATOR-ADF | NAVIGATION-707-331 | AIR | 340P | | 65 2362 25936000 |
| INDICATOR NAVIGATOR-ADF | NAVIGATION-707-331 | AIR | 340P | | 66 2362 25938000 |
| INDICATOR OIL-PRESSURE | OIL-707-131B | AIR | 30P | | 66 2362 25940000 |
| INDICATOR OIL-PRESSURE | OIL-707-131B | AIR | 40P | | 65 2362 25942000 |
| INDICATOR OIL-PRESSURE | OIL-707-131 | AIR | 60P | | 66 2362 25944000 |
| INDICATOR OIL-PRESSURE | OIL-707-131B | AIR | 150P | | 66 2362 25946000 |
| INDICATOR OIL-PRESSURE | OIL-707-331 | AIR | 150P | | 66 2362 25948000 |
| INDICATOR OIL-PRESSURE | OIL-707-331 | AIR | 170P | | 65 2362 25950000 |
| INDICATOR OIL-PRESSURE | OIL-707-131 | AIR | 300P | | 65 2362 25952000 |
| INDICATOR OIL-PRESSURE | OIL-707-131 | AIR | 480P | | 66 2362 25954000 |
| INDICATOR OIL-QUANTITY | OIL-880 | AIR | 120P | | 66 2362 25956000 |
| INDICATOR OIL-QUANTITY | OIL-727 | AIR | 230P | | 65 2363 25958000 |
| INDICATOR OIL-QUANTITY | OIL-707-131 | AIR | 230P | | 65 2362 25960000 |
| INDICATOR OIL-QUANTITY | OIL-880 | AIR | 340P | | 66 2360 25962000 |
| INDICATOR OIL-QUANTITY | OIL-727 | AIR | 340P | | 66 2365 25964000 |
| INDICATOR OIL-QUANTITY | OIL-380 | AIR | 420P | | 66 2363 25966000 |
| INDICATOR OIL-QUANTITY | OIL-880 | AIR | 420P | | 66 2363 25968000 |
| INDICATOR OIL-QUANTITY | OIL-727 | AIR | 510P | | 65 2365 25970000 |
| INDICATOR OIL-QUANTITY | OIL-707-331 | AIR | 510P | | 65 2362 25972000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | FAILURE ENVIRONMENT RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LATION HOURS | YR OF DATA | CROSS INDEX |
|---|----------------------------|------------------------|--------------------------|---------------------|-----------------|-------------------|------------|-------------|
| PART DESCRIPTION | | | | | | | RPT SRCE | REF NO |
| .40 INDICATING AND MEASURING | | | | | | | | |
| INDICATOR-OIL-QUANTITY | OIL-727 | AIR | 550P | 66 2360 | 25974000 | | | |
| INDICATOR-OIL-QUANTITY | OIL-880 | AIR | 570P | 66 2365 | 25976000 | | | |
| INDICATOR-OIL-QUANTITY | OIL-707-331 | AIR | 590P | 66 2362 | 25978000 | | | |
| INDICATOR-OIL-QUANTITY | OIL-880 | AIR | 600P | 65 2365 | 25980000 | | | |
| INDICATOR-OIL-QUANTITY | OIL-727 | AIR | 620P | 66 2360 | 25982000 | | | |
| INDICATOR-OIL-QUANTITY | OIL-880 | AIR | 630P | 66 2365 | 25984000 | | | |
| INDICATOR-OIL-QUANTITY | OIL-727 | AIR | 640P | 66 2365 | 25986000 | | | |
| INDICATOR-OIL-QUANTITY | OIL-880 | AIR | 640P | 66 2360 | 25988000 | | | |
| INDICATOR-OIL-QUANTITY | OIL-707-331 | AIR | 680P | 65 2363 | 25990000 | | | |
| INDICATOR-OIL-QUANTITY | OIL-727 | AIR | 770P | 66 2362 | 25992000 | | | |
| INDICATOR-OIL-QUANTITY | OIL-707-131 | AIR | 790P | 66 2353 | 25994000 | | | |
| INDICATOR-OIL-QUANTITY | OIL-707-131 | AIR | 800P | 66 2362 | 25996000 | | | |
| INDICATOR-OIL-QUANTITY | OIL-727 | AIR | 990P | 66 2362 | 25998000 | | | |
| INDICATOR-OIL-QUANTITY | OIL-727 | AIR | 1080P | 66 2363 | 26000000 | | | |
| INDICATOR-OIL-TEMPERATURE | OIL-707-131B | AIR | 1370P | 65 2350 | 26002000 | | | |
| INDICATOR-OIL-TEMPERATURE | OIL-707-131B | AIR | 40P | 65 2362 | 26004000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-880 | AIR | 70P | 66 2362 | 26006000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-880 | AIR | 80P | 66 2365 | 26008000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-880 | AIR | 80P | 66 2365 | 26010000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-880 | AIR | 80P | 66 2360 | 26012000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-880 | AIR | 80P | 65 2360 | 26014000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-880 | AIR | 80P | 66 2363 | 26016000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-707-331B | AIR | 120P | 66 2362 | 26018000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-707-331B | AIR | 140P | 66 2362 | 26020000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-880 | AIR | 140P | 66 2360 | 26022000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-707-331 | AIR | 150P | 66 2362 | 26024000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-707-131B | AIR | 160P | 65 2362 | 26026000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-880 | AIR | 160P | 65 2365 | 26028000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-707-331 | AIR | 170P | 66 2362 | 26030000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-880 | AIR | 180P | 65 2363 | 26032000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-331C/373C | AIR | 250P | 66 2365 | 26034000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-707-131 | AIR | 250P | 66 2362 | 26036000 | | | |
| INDICATOR-OUT-AIR-TEMPERATURE | | AIR | 200P | 65 2350 | 26038000 | | | |
| INDICATOR-OXYGEN-PRESSURE | OXYGEN-331C/373C | AIR | 230P | 65 2360 | 26040000 | | | |
| INDICATOR-OXYGEN-PRESSURE-PASSENGERS-AND-CREW | OXYGEN-727 | AIR | 90P | 66 2360 | 26042000 | | | |
| INDICATOR-OXYGEN-PRESSURE-PASSENGERS-AND-CREW | OXYGEN-727 | AIR | 150P | 65 2365 | 26044000 | | | |
| INDICATOR-OXYGEN-PRESSURE-PASSENGERS-AND-CREW | OXYGEN-727 | AIR | 210P | 66 2365 | 26046000 | | | |
| INDICATOR-PRESS-RATIO | ENGINE-INDICATING-707-131B | AIR | 940P | 65 2364 | 26048000 | | | |
| INDICATOR-PRESS-RATIO | ENGINE-INDICATING-707-131B | AIR | 970P | 66 2364 | 26050000 | | | |
| INDICATOR-PRESS-RATIO | ENGINE-INDICATING-707-131B | AIR | 1120P | 66 2364 | 26052000 | | | |
| INDICATOR-PRESS-RATIO-SYNC | ENGINE-INDICATING-707-331 | AIR | 1230P | 65 2364 | 26054000 | | | |

ROBME AIR DEVELOPMENT CENTER, GAITHERSBURG, M.D.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | UPPER 90 CONF LIMIT | PART 90PU- LATION | YR OF DATA | CRGSS |
|--------------------------------|-----------------------------|---------------------|-------------------|------------|-----------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | ENVIRONMENT | PART HOURS | RPT SRCE REF NO |
| .4C INDICATING AND MEASURING | | | | | |
| INDICATOR, PRESS-RATIO-SYNC | ENGINE-INDICATING, 707-331 | AIR | 1410P | 66 2364 | 26056000 |
| INDICATOR, PRESS-RATIO-SYNC | ENGINE-INDICATING, 707-331 | AIR | 1600P | 66 2364 | 26059000 |
| INDICATOR, PRESS-RATIO-SYNC | ENGINE-INDICATING, 707-131 | AIR | 1810P | 66 2364 | 26060000 |
| INDICATOR, PRESS-RATIO-SYNC | ENGINE-INDICATING, 707-131 | AIR | 1950P | 66 2364 | 26062000 |
| INDICATOR, PRESS-RATIO-SYNC | ENGINE-INDICATING, 707-131 | AIR | 2450P | 65 2364 | 26064000 |
| INDICATOR, PRESS-RATIO | ENGINE-INDICATING, 707-131B | AIR | 770P | 66 2362 | 26066000 |
| INDICATOR, PRESSURE-RATIO | ENGINE-INDICATING, 707-131B | AIR | 810P | 66 2362 | 26068000 |
| INDICATOR, PRESSURE-RATIO | ENGINE-INDICATING, 707-131B | AIR | 1040P | 65 2362 | 26070000 |
| INDICATOR, PRESSURE-RATIO-SYNC | ENGINE-INDICATING, 707-331 | AIR | 1110P | 65 2362 | 26072000 |
| INDICATOR, PRESSURE-RATIO-SYNC | ENGINE-INDICATING, 707-131 | AIR | 1420P | 66 2362 | 26074000 |
| INDICATOR, PRESSURE-RATIO-SYNC | ENGINE-INDICATING, 707-131 | AIR | 1430P | 65 2362 | 26076000 |
| INDICATOR, PRESSURE-RATIO-SYNC | ENGINE-INDICATING, 707-131 | AIR | 1710P | 66 2362 | 26078000 |
| INDICATOR, PRESSURE-RATIO-SYNC | ENGINE-INDICATING, 707-331 | AIR | 1730P | 66 2362 | 26080000 |
| INDICATOR, PRESSURE-RATIO-SYNC | ENGINE-INDICATING, 707-331 | AIR | 2030P | 66 2362 | 26082000 |
| .4C INDICATING AND MEASURING | | | | | |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 880 | AIR | 70P | 66 2360 | 26084000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 880 | AIR | 80P | 66 2360 | 26086000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 707-131 | AIR | 80P | 65 2362 | 26088000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 727 | AIR | 90P | 66 2360 | 26090000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 707-331B | AIR | 120P | 66 2362 | 26092000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 707-131B | AIR | 130P | 66 2362 | 26094000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 707-131 | AIR | 150P | 65 2362 | 26096000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 727 | AIR | 150P | 65 2365 | 26098000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 880 | AIR | 160P | 66 2365 | 26100000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 880 | AIR | 160P | 65 2360 | 26102000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 727 | AIR | 200P | 66 2365 | 26104000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 880 | AIR | 230P | 66 2365 | 26106000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 331C/373C | AIR | 230P | 65 2360 | 26108000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 331C/373C | AIR | 250P | 66 2360 | 26110000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 707-331B | AIR | 280P | 66 2362 | 26112000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 707-331 | AIR | 310P | 66 2362 | 26114000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 880 | AIR | 320P | 65 2365 | 26116000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 707-331 | AIR | 340P | 66 2362 | 26118000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 707-131 | AIR | 370P | 66 2362 | 26120000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 727 | AIR | 410P | 65 2360 | 26122000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 727 | AIR | 640P | 66 2365 | 26124000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 707-131 | AIR | 690P | 66 2362 | 26126000 |
| INDICATOR, RADIO-MAGNETIC | NAVIGATION, 707-131 | AIR | 690P | 66 2362 | 26128000 |
| INDICATOR, RATE-OF-CL INB | NAVIGATION, 880 | AIR | 50P | 65 2360 | 26130000 |
| INDICATOR, RATE-OF-CL IMP | NAVIGATION, 707-131B | AIR | 70P | 66 2362 | 26132000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, MO. SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 427 INSTRUMENTS

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA INDEX | CROSS REF NO |
|------------------------------|---------------------------|-------------|--------------|---------------------|-----------------|------------|------------------|--------------|
| -4C INDICATING AND MEASURING | | | | | | | | |
| INDICATOR RATE-OF-CLIMB | INSTRUMENTS.727 | AIR | 90P | | | | 66 2360 | 26134000 |
| INDICATOR RATE-OF-CLIMB | NAVIGATION.707-131 | AIR | 100P | | | | 65 2362 | 26136000 |
| INDICATOR RATE-OF-CLIMB | NAVIGATION.707-331 | AIR | 110P | | | | 65 2362 | 26138000 |
| INDICATOR RATE-OF-CLIMB | INSTRUMENTS.727 | AIR | 110P | | | | 66 2365 | 26140000 |
| INDICATOR RATE-OF-CLIMB | NAVIGATION.707-131B | AIR | 130P | | | | 66 2362 | 26142000 |
| INDICATOR RATE-OF-CLIMB | NAVIGATION.880 | AIR | 140P | | | | 66 2360 | 26144000 |
| INDICATOR RATE-OF-CLIMB | INSTRUMENTS.727 | AIR | 180P | | | | 66 2360 | 26146000 |
| INDICATOR RATE-OF-CLIMB | INSTRUMENTS.727 | AIR | 200P | | | | 66 2365 | 26148000 |
| INDICATOR RATE-OF-CLIMB | NAVIGATION.707-131 | AIR | 250P | | | | 66 2362 | 26150000 |
| INDICATOR RATE-OF-CLIMB | NAVIGATION.880 | AIR | 300P | | | | 66 2365 | 26152000 |
| INDICATOR RATE-OF-CLIMB | NAVIGATION.707-131B | AIR | 320P | | | | 66 2365 | 26154000 |
| INDICATOR RATE-OF-CLIMB | NAVIGATION.880 | AIR | 370P | | | | 65 2362 | 26156000 |
| INDICATOR RATE-OF-CLIMB | NAVIGATION.707-331B | AIR | 530P | | | | 65 2362 | 26160000 |
| INDICATOR RATE-OF-CLIMB | NAVIGATION.331C/373C | AIR | 680P | | | | 66 2360 | 26162000 |
| INDICATOR RATE-OF-CLIMB | INSTRUMENTS.727 | AIR | 760P | | | | 66 2365 | 26164000 |
| INDICATOR RATE-OF-CLIMB | NAVIGATION.707-331 | AIR | 820P | | | | 65 2360 | 26166000 |
| INDICATOR RATE-OF-CLIMB | NAVIGATION.707-331 | AIR | 930P | | | | 66 2362 | 26168000 |
| LEFT | | AIR | 100P | | | | 65 2330 | 26170000 |
| INDICATOR RATE-OF-CLIMB | | AIR | 300P | | | | 65 2330 | 26172000 |
| INDICATOR RATE-OF-CLIMB | AIR-CONDITIONING.707-131B | AIR | 200P | | | | 65 2330 | 26174000 |
| INDICATOR RATE-OF-CLIMB | AIR-CONDITIONING.707-331 | AIR | 90P | | | | 66 2362 | 26176000 |
| INDICATOR RATE-OF-CLIMB | AIR-CONDITIONING.707-131B | AIR | 100P | | | | 66 2362 | 26178000 |
| INDICATOR RATE-OF-CLIMB | AIR-CONDITIONING.707-131 | AIR | 110P | | | | 65 2362 | 26180000 |
| INDICATOR RATE-OF-CLIMB | FLIGHT-CONTROLS.707-131B | AIR | 400P | | | | 65 2362 | 26182000 |
| INDICATOR RATE-OF-CLIMB | FLIGHT-CONTROLS.707-131B | AIR | 140P | | | | 65 2364 | 26184000 |
| INDICATOR RATE-OF-CLIMB | FLIGHT-CONTROLS.707-131B | AIR | 130P | | | | 66 2364 | 26186000 |
| INDICATOR RATE-OF-CLIMB | FLIGHT-CONTROLS.707-131B | AIR | 130P | | | | 66 2362 | 26188000 |
| INDICATOR RATE-OF-CLIMB | FLIGHT-CONTROLS.707-131B | AIR | 160P | | | | 65 2362 | 26190000 |
| INDICATOR RATE-OF-CLIMB | FLIGHT-CONTROLS.707-331B | AIR | 170P | | | | 66 2364 | 26192000 |
| INDICATOR RATE-OF-CLIMB | FLIGHT-CONTROLS.707-331B | AIR | 420P | | | | 65 2364 | 26194000 |
| INDICATOR RATE-OF-CLIMB | FLIGHT-CONTROLS.331C/373C | AIR | 500P | | | | 66 2360 | 26196000 |
| INDICATOR RATE-OF-CLIMB | FLIGHT-CONTROLS.707-131B | AIR | 130P | | | | 66 2364 | 26198000 |
| INDICATOR RATE-OF-CLIMB | NAVIGATION.707-131B | AIR | 500P | | | | 65 2330 | 26200000 |
| INDICATOR RATE-OF-CLIMB | NAVIGATION.727 | AIR | 160P | | | | 65 2362 | 26202000 |
| INDICATOR RATE-OF-CLIMB | NAVIGATION.707-131B | AIR | 180P | | | | 66 2360 | 26204000 |
| INDICATOR RATE-OF-CLIMB | NAVIGATION.727 | AIR | 290P | | | | 66 2362 | 26206000 |
| INDICATOR RATE-OF-CLIMB | NAVIGATION.727 | AIR | 370P | | | | 66 2360 | 26208000 |

ROAF AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. JANUARY 1969
 SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART H JRS | YR | CROSS OF DATA INDEX RPT SPCE REF NO |
|-----------------------------------|-----------------------|------------------------|-------------|--------------|---------------------|-----------------|------------|----|-------------------------------------|
| .40 INDICATING AND MEASURING | | | | | | | | | |
| INDICATOR, STATIC-AIR-TEMPERATURE | NAVIGATION.880 | AIR | 450P | 66 | 2360 | 26210000 | | | |
| INDICATOR, STATIC-AIR-TEMPERATURE | NAVIGATION.707-331B | AIR | 530P | 65 | 2362 | 26212000 | | | |
| INDICATOR, STATIC-AIR-TEMPERATURE | NAVIGATION.707-331 | AIR | 680P | 66 | 2362 | 26214000 | | | |
| INDICATOR, STATIC-AIR-TEMPERATURE | NAVIGATION.707-331 | AIR | 680P | 65 | 2362 | 26216000 | | | |
| INDICATOR, STATIC-AIR-TEMPERATURE | NAVIGATION.707-131B | AIR | 940P | 66 | 2362 | 26218000 | | | |
| INDICATOR, STATIC-AIR-TEMPERATURE | NAVIGATION.707-131 | AIR | 1140P | 66 | 2362 | 26220000 | | | |
| INDICATOR, STATIC-AIR-TEMPERATURE | NAVIGATION.727 | AIR | 1370P | 65 | 2360 | 26222000 | | | |
| INDICATOR, STATIC-AIR-TEMPERATURE | NAVIGATION.707-131 | AIR | 1480P | 66 | 2362 | 26224000 | | | |
| INDICATOR, STATIC-AIR-TEMPERATURE | NAVIGATION.707-331F | AIR | 1700P | 66 | 2362 | 26226000 | | | |
| INDICATOR, STATIC-AIR-TEMPERATURE | NAVIGATION.707-331B | AIR | 1700P | 66 | 2362 | 26228000 | | | |
| INDICATOR, STATIC-AIR-TEMPERATURE | NAVIGATION.880 | AIR | 1740P | 66 | 2360 | 26230000 | | | |
| INDICATOR, STATIC-AIR-TEMPERATURE | NAVIGATION.707-131 | AIR | 1110P | 65 | 2362 | 26232000 | | | |
| INDICATOR, STATIC-AIR-TEMPERATURE | NAVIGATION.880 | AIR | 30CP | 66 | 2365 | 26234000 | | | |
| INDICATOR, STATIC-AIR-TEMPERATURE | NAVIGATION.880 | AIR | 47CP | 66 | 2365 | 26236000 | | | |
| INDICATOR, STATIC-AIR-TEMPERATURE | NAVIGATION.331C/373C | AIR | 500P | 66 | 2365 | 26238000 | | | |
| INDICATOR, STATIC-AIR-TEMPERATURE | NAVIGATION.880 | AIR | 1280P | 65 | 2365 | 26240000 | | | |
| INDICATOR, STATIC-AIR-TEMPERATURE | NAVIGATION.727 | AIR | 1410P | 65 | 2365 | 26242000 | | | |
| INDICATOR, STATIC-AIR-TEMPERATURE | NAVIGATION.727 | AIR | 2350P | 66 | 2365 | 26244000 | | | |
| INDICATOR, STATIC-AIR-TEMPERATURE | NAVIGATION.727 | AIR | 2440P | 65 | 2365 | 26246000 | | | |
| INDICATOR, TACHOMETER | ENGINE-INDICATING.880 | AIR | 180P | 66 | 2360 | 26248000 | | | |
| INDICATOR, TACHOMETER | ENGINE-INDICATING.880 | AIR | 190P | 66 | 2363 | 26250000 | | | |
| INDICATOR, TACHOMETER | ENGINE-INDICATING.880 | AIR | 240P | 65 | 2360 | 26252000 | | | |
| INDICATOR, TACHOMETER | ENGINE-INDICATING.880 | AIR | 280P | 66 | 2365 | 26254000 | | | |
| INDICATOR, TACHOMETER | ENGINE-INDICATING.880 | AIR | 32CP | 65 | 2363 | 26256000 | | | |
| INDICATOR, TACHOMETER | ENGINE-INDICATING.880 | AIR | 340P | 66 | 2360 | 26258000 | | | |
| INDICATOR, TACHOMETER | ENGINE-INDICATING.880 | AIR | 380P | 66 | 2363 | 26260000 | | | |

ONE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. JANUARY 1968
SECTION 1 FAILURE RATE DATA

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|---------------------------------|----------------------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|-------------|
| .40 INDICATING AND MEASURING | | | | | | | | | |
| INDICATOR-TACHOMETER | ENGINE-INDICATING-880 | AIR | 400P | 65 | 2365 | 26262000 | | | |
| INDICATOR-TACHOMETER | ENGINE-INDICATING-880 | AIR | 640P | 66 | 2365 | 26264000 | | | |
| INDICATOR-TACHOMETER-N1 | ENGINE-INDICATING-707-131 | AIR | 80P | 65 | 2362 | 26266000 | | | |
| INDICATOR-TACHOMETER-N1 | ENGINE-INDICATING-707-331 | AIR | 80P | 66 | 2362 | 26269000 | | | |
| INDICATOR-TACHOMETER-N1 | ENGINE-INDICATING-707-131 | AIR | 110P | 66 | 2362 | 26270000 | | | |
| INDICATOR-TACHOMETER-N1 | ENGINE-INDICATING-707-331 | AIR | 170P | 65 | 2362 | 26272000 | | | |
| INDICATOR-TACHOMETER-N1 | ENGINE-INDICATING-707-131B | AIR | 320P | 65 | 2362 | 26274000 | | | |
| INDICATOR-TACHOMETER-N1 | ENGINE-INDICATING-707-131B | AIR | 330P | 66 | 2362 | 26276000 | | | |
| INDICATOR-TACHOMETER-N1 | ENGINE-INDICATING-707-131B | AIR | 400P | 66 | 2362 | 26278000 | | | |
| INDICATOR-TACHOMETER-N2 | ENGINE-INDICATING-707-231 | AIR | 620P | 66 | 2362 | 26280000 | | | |
| INDICATOR-TACHOMETER-N2 | ENGINE-INDICATING-707-131 | AIR | 60P | 66 | 2362 | 26282000 | | | |
| INDICATOR-TACHOMETER-N2 | ENGINE-INDICATING-707-131 | AIR | 80P | 65 | 2362 | 26284000 | | | |
| INDICATOR-TACHOMETER-N2 | ENGINE-INDICATING-707-331 | AIR | 170P | 66 | 2362 | 26286000 | | | |
| INDICATOR-TACHOMETER-N2 | ENGINE-INDICATING-707-131B | AIR | 360P | 65 | 2362 | 26290000 | | | |
| INDICATOR-TACHOMETER-N2 | ENGINE-INDICATING-707-131B | AIR | 370P | 66 | 2362 | 26292000 | | | |
| INDICATOR-TACHOMETER-N2 | ENGINE-INDICATING-707-131B | AIR | 440P | 66 | 2362 | 26294000 | | | |
| INDICATOR-TACHOMETER-N2 | ENGINE-INDICATING-707-131B | AIR | 540P | 66 | 2362 | 26296000 | | | |
| INDICATOR-TAT | NAVIGATION-727 | AIR | 370P | 66 | 2362 | 26298000 | | | |
| INDICATOR-TAT | NAVIGATION-727 | AIR | 400P | 66 | 2365 | 26300000 | | | |
| INDICATOR-TAT | NAVIGATION-727 | AIR | 640P | 66 | 2365 | 26302000 | | | |
| INDICATOR-TAT | NAVIGATION-727 | AIR | 1680P | 66 | 2360 | 26304000 | | | |
| INDICATOR-TC-BEARING | NAVIGATION-727 | AIR | 2740P | 65 | 2365 | 26306000 | | | |
| INDICATOR-TC-BEARING | AIR-CONDITIONING-880 | AIR | 150P | 66 | 2360 | 26308000 | | | |
| TEMPERATURE | | | | | | | | | |
| INDICATOR-TC-BEARING | AIR-CONDITIONING-880 | AIR | 720P | 65 | 2360 | 26310000 | | | |
| TEMPERATURE | | | | | | | | | |
| INDICATOR-TC-BEARING | AIR-CONDITIONING-880 | AIR | 400P | 66 | 2365 | 26312000 | | | |
| TEMPERATURE | | | | | | | | | |
| INDICATOR-TC-RPM | AIR-CONDITIONING-880 | AIR | 70P | 66 | 2360 | 26314000 | | | |
| INDICATOR-TC-RPM | AIR-CONDITIONING-880 | AIR | 80P | 66 | 2365 | 26316000 | | | |
| INDICATOR-TC-RPM | AIR-CONDITIONING-880 | AIR | 80P | 65 | 2365 | 26318000 | | | |
| INDICATOR-TEMPERATURE-HYDRAULIC | HYDRAULIC-POWER-880 | AIR | 80P | 66 | 2363 | 26320000 | | | |
| INDICATOR-THREE-AXIS-TRIM | OUT-PILOT-880 | AIR | 140P | 66 | 2360 | 26322000 | | | |
| INDICATOR-THREE-AXIS-TRIM | OUT-PILOT-880 | AIR | 160P | 66 | 2365 | 26324000 | | | |
| INDICATOR-THREE-AXIS-TRIM | OUT-PILOT-880 | AIR | 160P | 65 | 2365 | 26326000 | | | |
| INDICATOR-THREE-AXIS-TRIM | FUEL-707-331 | AIR | 340P | 66 | 2362 | 26328000 | | | |
| INDICATOR-TOTAL-AIR-TEMPERATURE | NAVIGATION-331C/373C | AIR | 1000P | 66 | 2360 | 26330000 | | | |
| INDICATOR-TOTAL-AIR-TEMPERATURE | NAVIGATION-707-131B | AIR | 160P | 65 | 2362 | 26332000 | | | |
| INDICATOR-TOTAL-AIR-TEMPERATURE | NAVIGATION-707-331B | AIR | 190P | 66 | 2364 | 26334000 | | | |
| INDICATOR-TOTAL-AIR-TEMPERATURE | NAVIGATION-707-131B | AIR | 440P | 66 | 2362 | 26336000 | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY '968

| PART CLASS | 427 INSTRUMENTS | UPPER 90 CONF LIMIT | PART POPULATION | YR OF DATA INDEX | CROSS |
|---------------------------------|------------------------|---------------------|-----------------|------------------|-----------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | ENVIRONMENT | HOURS | RPT SRCE REF NO |
| -C INDICATING AND MEASURING | | | | | |
| INDICATOR-TOTAL-AIR-TEMPERATURE | NAVIGATION-331C/373C | AIR 50CP | AIR | 66 2365 | 26338000 |
| INDICATOR-TOTAL-AIR-TEMPERATURE | NAVIGATION-331C/373C | AIR 51CP | AIR | 66 2363 | 26340000 |
| INDICATOR-TOTAL-AIR-TEMPERATURE | NAVIGATION-707-331B | AIR 51CP | AIR | 66 2364 | 26342000 |
| INDICATOR-TOTAL-AIR-TEMPERATURE | NAVIGATION-707-331B | AIR 53CP | AIR | 65 2362 | 26344000 |
| INDICATOR-TOTAL-AIR-TEMPERATURE | NAVIGATION-331C/373C | AIR 54CP | AIR | 66 2363 | 26346000 |
| INDICATOR-TOTAL-AIR-TEMPERATURE | NAVIGATION-707-131B | AIR 57CP | AIR | 66 2362 | 26348000 |
| INDICATOR-TOTAL-AIR-TEMPERATURE | NAVIGATION-707-131B | AIR 700P | AIR | 65 2364 | 26350000 |
| INDICATOR-TOTAL-AIR-TEMPERATURE | NAVIGATION-707-131B | AIR 800P | AIR | 66 2364 | 26352000 |
| INDICATOR-TOTAL-AIR-TEMPERATURE | NAVIGATION-707-331B | AIR 850P | AIR | 66 2362 | 26354000 |
| INDICATOR-TOTAL-AIR-TEMPERATURE | NAVIGATION-707-331B | AIR 1940P | AIR | 66 2362 | 26356000 |
| INDICATOR-TOTAL-FUEL-QUANTITY | FUEL-880 | AIR 170P | AIR | 66 2362 | 26358000 |
| INDICATOR-TOTAL-FUEL-QUANTITY | FUEL-880 | AIR 180P | AIR | 65 2363 | 26360000 |
| INDICATOR-TRUE-AIRSPEED | NAVIGATION-727 | AIR 47CP | AIR | 66 2363 | 26362000 |
| INDICATOR-TRUE-AIRSPEED | NAVIGATION-727 | AIR 81CP | AIR | 66 2365 | 26364000 |
| INDICATOR-TRUE-AIRSPEED | NAVIGATION-727 | AIR 1100P | AIR | 65 2360 | 26366000 |
| INDICATOR-TRUE-AIRSPEED | NAVIGATION-727 | AIR 1110P | AIR | 66 2360 | 26368000 |
| INDICATOR-TRUE-AIRSPEED | NAVIGATION-727 | AIR 1200P | AIR | 65 2365 | 26370000 |
| INDICATOR-TRUE-AIRSPEED | NAVIGATION-727 | AIR 1280P | AIR | 66 2365 | 26372000 |
| INDICATOR-TRUE-AIRSPEED | NAVIGATION-727 | AIR 1520P | AIR | 66 2363 | 26374000 |
| INDICATOR-TRUE-AIRSPEED | NAVIGATION-727 | AIR 1800P | AIR | 66 2360 | 26376000 |
| INDICATOR-TRUE-AIRSPEED | NAVIGATION-727 | AIR 2040P | AIR | 65 2363 | 26378000 |
| INDICATOR-TURN-AND-BANK | NAVIGATION-727 | AIR 200P | AIR | 65 2330 | 26380000 |
| INDICATOR-TURN-AND-BANK | NAVIGATION-727 | AIR 460P | AIR | 66 2360 | 26382000 |
| INDICATOR-TURN-AND-BANK | NAVIGATION-727 | AIR 750P | AIR | 66 2360 | 26384000 |
| INDICATOR-TURN-AND-BANK | NAVIGATION-727 | AIR 760P | AIR | 65 2365 | 26386000 |
| INDICATOR-TURN-AND-BANK | NAVIGATION-727 | AIR 910P | AIR | 66 2365 | 26388000 |
| INDICATOR-TURN-AND-BANK | NAVIGATION-727 | AIR 1180P | AIR | 66 2365 | 26390000 |
| INDICATOR-TURN-AND-BANK | NAVIGATION-727 | AIR 1240P | AIR | 65 2360 | 26392000 |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-880 | AIR 240P | AIR | 65 2360 | 26394000 |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-331C/373C | AIR 250P | AIR | 66 2365 | 26396000 |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-880 | AIR 300P | AIR | 66 2360 | 26398000 |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-707-131 | AIR 360P | AIR | 65 2362 | 26400000 |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-707-331 | AIR 340P | AIR | 65 2332 | 26402000 |

ARMED AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | | 427 INSTRUMENTS | | UPPER PART | | FAILURE RATE | | ENVIRONMENT | | FUNCTIONAL APPLICATION | | PART | | CLASS | |
|------------------------------|----------------------------|-----------------|-------|------------|------|--------------|--|-------------|--|------------------------|--|------|--|-------|--|
| PART DESCRIPTION | | | | SO COME | | POPULATION | | LTHIT | | HOURS | | PART | | CLASS | |
| 46 INDICATING AND MEASURING | | | | | | | | | | | | | | | |
| INDICATOR, TURN-AND-SLIP | NAVIGATION, 707-131 | AIR | 370P | 66 | 2362 | 2648000 | | | | | | | | | |
| INDICATOR, TURN-AND-SLIP | NAVIGATION, 880 | AIR | 450P | 66 | 2365 | 2648000 | | | | | | | | | |
| INDICATOR, TURN-AND-SLIP | NAVIGATION, 707-131 | AIR | 460P | 66 | 2362 | 2648000 | | | | | | | | | |
| INDICATOR, TURN-AND-SLIP | NAVIGATION, 331C/373C | AIR | 500P | 66 | 2360 | 2641000 | | | | | | | | | |
| INDICATOR, TURN-AND-SLIP | NAVIGATION, 707-331 | AIR | 510P | 66 | 2362 | 2641000 | | | | | | | | | |
| INDICATOR, TURN-AND-SLIP | NAVIGATION, 331C/373C | AIR | 510P | 66 | 2365 | 2641000 | | | | | | | | | |
| INDICATOR, TURN-AND-SLIP | NAVIGATION, 707-131B | AIR | 520P | 66 | 2362 | 2641000 | | | | | | | | | |
| INDICATOR, TURN-AND-SLIP | NAVIGATION, 880 | AIR | 580P | 66 | 2360 | 2641000 | | | | | | | | | |
| INDICATOR, TURN-AND-SLIP | NAVIGATION, 880 | AIR | 630P | 66 | 2365 | 2642000 | | | | | | | | | |
| INDICATOR, TURN-AND-SLIP | NAVIGATION, 707-331B | AIR | 710P | 66 | 2362 | 2642000 | | | | | | | | | |
| INDICATOR, TURN-AND-SLIP | NAVIGATION, 707-131B | AIR | 720P | 65 | 2362 | 2642000 | | | | | | | | | |
| INDICATOR, TURN-AND-SLIP | NAVIGATION, 331C/373C | AIR | 730P | 65 | 2362 | 2642000 | | | | | | | | | |
| INDICATOR, TURN-AND-SLIP | NAVIGATION, 707-131B | AIR | 740P | 66 | 2362 | 2642000 | | | | | | | | | |
| INDICATOR, TURN-AND-SLIP | NAVIGATION, 707-331B | AIR | 790P | 65 | 2362 | 2643000 | | | | | | | | | |
| INDICATOR, TURN-AND-SLIP | NAVIGATION, 880 | AIR | 800P | 65 | 2365 | 2643000 | | | | | | | | | |
| INDICATOR, TURN-AND-SLIP | NAVIGATION, 707-331B | AIR | 850P | 66 | 2362 | 2644000 | | | | | | | | | |
| INDICATOR, TURN-AND-SLIP | NAVIGATION, 707-331 | AIR | 930P | 66 | 2362 | 2644000 | | | | | | | | | |
| INDICATOR, UTILITY-HYDRAULIC | HYDRAULIC-POWER, 707-131B | AIR | 140P | 66 | 2362 | 2644000 | | | | | | | | | |
| INDICATOR, UTILITY-HYDRAULIC | HYDRAULIC-POWER, 707-131 | AIR | 230P | 65 | 2364 | 2643000 | | | | | | | | | |
| INDICATOR, UTILITY-HYDRAULIC | HYDRAULIC-POWER, 707-131 | AIR | 300P | 66 | 2362 | 2644000 | | | | | | | | | |
| INDICATOR, UTILITY-HYDRAULIC | HYDRAULIC-POWER, 707-331B | AIR | 340P | 66 | 2364 | 2644000 | | | | | | | | | |
| INDICATOR, UTILITY-HYDRAULIC | HYDRAULIC-POWER, 331C/373C | AIR | 480P | 66 | 2360 | 2644000 | | | | | | | | | |
| INDICATOR, UTILITY-HYDRAULIC | HYDRAULIC-POWER, 707-331B | AIR | 730P | 66 | 2362 | 2644000 | | | | | | | | | |
| INDICATOR, UTILITY-HYDRAULIC | HYDRAULIC-POWER, 707-331B | AIR | 850P | 65 | 2364 | 2645000 | | | | | | | | | |
| INDICATOR, UTILITY-HYDRAULIC | HYDRAULIC-POWER, 707-331B | AIR | 1050P | 65 | 2362 | 2645000 | | | | | | | | | |
| INDICATOR, VALVE-POSITION | AIR-CONDITIONING, 727 | AIR | 80P | 65 | 2365 | 2645000 | | | | | | | | | |
| INDICATOR, WEATHER-RADAR | NAVIGATION, 707-131B | AIR | 290P | 66 | 2362 | 2645000 | | | | | | | | | |
| INDICATOR, WEATHER-RADAR | NAVIGATION, 707-131 | AIR | 300P | 65 | 2362 | 2645000 | | | | | | | | | |
| INDICATOR, WEATHER-RADAR | NAVIGATION, 707-131B | AIR | 320P | 65 | 2362 | 2646000 | | | | | | | | | |
| INDICATOR, WEATHER-RADAR | NAVIGATION, 707-331 | AIR | 340P | 66 | 2362 | 2646000 | | | | | | | | | |
| INDICATOR, WEATHER-RADAR | NAVIGATION, 331C/373C | AIR | 460P | 65 | 2360 | 2646000 | | | | | | | | | |
| INDICATOR, WEATHER-RADAR | NAVIGATION, 331C/373C | AIR | 500P | 66 | 2365 | 2646000 | | | | | | | | | |
| INDICATOR, WEATHER-RADAR | NAVIGATION, 707-331B | AIR | 730P | 66 | 2362 | 2646000 | | | | | | | | | |
| INDICATOR, WEATHER-RADAR | NAVIGATION, 880 | AIR | 790P | 66 | 2365 | 2647000 | | | | | | | | | |
| INDICATOR, WEATHER-RADAR | NAVIGATION, 331C/373C | AIR | 1000P | 66 | 2360 | 2647000 | | | | | | | | | |
| INDICATOR, WEATHER-RADAR | NAVIGATION, 707-331 | AIR | 1020P | 65 | 2362 | 2647000 | | | | | | | | | |
| INDICATOR, WEATHER-RADAR | NAVIGATION, 727 | AIR | 1070P | 66 | 2365 | 2647000 | | | | | | | | | |
| INDICATOR, WEATHER-RADAR | NAVIGATION, 707-331B | AIR | 1140P | 66 | 2362 | 2647000 | | | | | | | | | |
| INDICATOR, WEATHER-RADAR | NAVIGATION, 880 | AIR | 1160P | 66 | 2360 | 2648000 | | | | | | | | | |
| INDICATOR, WEATHER-RADAR | NAVIGATION, 127 | AIR | 1410P | 66 | 2365 | 2648000 | | | | | | | | | |
| INDICATOR, WEATHER-RADAR | NAVIGATION, 331C/373C | AIR | 1440P | 66 | 2360 | 2648000 | | | | | | | | | |
| INDICATOR, WEATHER-RADAR | NAVIGATION, 707-131 | AIR | 1480P | 66 | 2362 | 2648000 | | | | | | | | | |
| INDICATOR, WEATHER-RADAR | NAVIGATION, 727 | AIR | 1520P | 65 | 2365 | 2648000 | | | | | | | | | |
| INDICATOR, WEATHER-RADAR | NAVIGATION, 707-331B | AIR | 1580P | 65 | 2362 | 2649000 | | | | | | | | | |
| INDICATOR, WEATHER-RADAR | NAVIGATION, 727 | AIR | 1840P | 66 | 2360 | 2649000 | | | | | | | | | |

NON-ELECTRONIC PART FAILURE RATE DATA

ROWE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

JANUARY 1968

SECTION 1 FAILURE RATE DATA

| PART CLASS | 427 INSTRUMENTS | UPPER 90 CBHF LIMIT | PART POPULATION | PART LATION | FAILURE RATE | ENVIRONMENT | FUNCTIONAL APPLICATION | YR | CROSS |
|------------------------------|------------------------------|---------------------|-----------------|-------------|------------------|-------------|------------------------|----|-------|
| PART DESCRIPTION | | | | | | | | | |
| 420 INDICATING AND MEASURING | | | | | | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-331 | 1860P | AIR | | 66 2362 26494000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-880 | 2060P | AIR | | 65 2360 26496000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-727 | 2240P | AIR | | 66 2360 26498000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-880 | 2410P | AIR | | 65 2365 26500000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-880 | 2420P | AIR | | 66 2360 26502000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-880 | 2750P | AIR | | 65 2360 26504000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-727 | 540P | AIR | | 66 2363 26506000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-331C/373C | 110P | AIR | | 66 2363 26508000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-127 | 240P | AIR | | 66 2363 26510000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-127 | 720P | AIR | | 65 2363 26512000 | | | | |
| INDICATOR-WEATHER-RADAR | AIR-CONDITIONING-880 | 760P | AIR | | 66 2363 26514000 | | | | |
| INDICATOR-WEATHER-RADAR | AIR-CONDITIONING-880 | 840P | AIR | | 66 2363 26516000 | | | | |
| INDICATOR-WEATHER-RADAR | AIR-CONDITIONING-880 | 270P | AIR | | 66 2363 26518000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-331C/373C | 270P | AIR | | 66 2363 26520000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-331C/373C | 510P | AIR | | 66 2363 26522000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-331C/373C | 250P | AIR | | 66 2363 26524000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-331C/373C | 280P | AIR | | 65 2363 26526000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-331C/373C | 420P | AIR | | 65 2364 26528000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-331 | 570P | AIR | | 66 2364 26530000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-331 | 670P | AIR | | 66 2364 26532000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-331 | 770P | AIR | | 65 2364 26534000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-331 | 810P | AIR | | 66 2363 26536000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-331C/373C | 840P | AIR | | 65 2364 26538000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-131B | 940P | AIR | | 66 2364 26540000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-331 | 940P | AIR | | 66 2364 26542000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-331 | 950P | AIR | | 65 2364 26544000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-131 | 1110P | AIR | | 66 2364 26546000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-131 | 1170P | AIR | | 66 2364 26548000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-331B | 1170P | AIR | | 66 2363 26550000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-880 | 1180P | AIR | | 66 2364 26552000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-131B | 1510P | AIR | | 66 2363 26554000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-880 | 1740P | AIR | | 66 2364 26556000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-880 | 2160P | AIR | | 65 2363 26558000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-727 | 590P | AIR | | 66 2363 26560000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-727 | 680P | AIR | | 65 2363 26562000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-727 | 1030P | AIR | | 66 2363 26564000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-727 | 150P | AIR | | 66 2363 26566000 | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-380 | 450P | AIR | | 65 2363 26568000 | | | | |
| ATTACH | | | | | | | | | |
| INDICATOR-PS-ANG-ANGLE-9F- | NAVIGATION-880 | 220P | AIR | | 66 2363 26570000 | | | | |
| ATTACH | | | | | | | | | |
| INDICATOR-AUXILIARY-POWER- | AIRBORNE-AUXILIARY-POWER-727 | 340P | AIR | | 66 2363 26572000 | | | | |
| UNIT-EST | | | | | | | | | |
| INDICATOR-AUXILIARY-POWER- | AIRBORNE-AUXILIARY-POWER-727 | 160P | AIR | | 66 2363 26574000 | | | | |
| UNIT-EST | | | | | | | | | |
| INDICATOR-BRAKE-PRESS | LANDING-GEAR-880 | | | | | | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1960

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION HOURS | YR OF DATA INDEX | CROSS RPT SACE REF NO |
|---|----------------------------|------------------------|-------------|--------------|---------------------|-------------------|------------------|-----------------------|
| 40 INDICATING AND MEASURING | | | | | | | | |
| INDICATOR-BRAKE-PRESS | LANDING-GEAR-680 | AIR | 170P | 66 2363 | 26576000 | | | |
| INDICATOR-CAB-AIR TEMPERATURE | AIR-CONDITIONING-727 | AIR | 240P | 66 2363 | 26578000 | | | |
| INDICATOR-CABIN-RATE-OF-CLIMB | AIR-CONDITIONING-331C/373C | AIR | 540P | 66 2363 | 26580000 | | | |
| INDICATOR-CONSTANT-SPEED-DRIVE-TEMPERATURE | ELECTRICAL-POWER-331C/373C | AIR | 130P | 66 2363 | 26582000 | | | |
| INDICATOR-CONSTANT-SPEED-DRIVE-TEMPERATURE | ELECTRICAL-POWER-727 | AIR | 170P | 66 2363 | 26584000 | | | |
| INDICATOR-CONSTANT-SPEED-DRIVE-TEMPERATURE | ELECTRICAL-POWER-727 | AIR | 250P | 65 2363 | 26586000 | | | |
| INDICATOR-CONSTANT-SPEED-DRIVE-TEMPERATURE | ELECTRICAL-POWER-331C/373C | AIR | 380P | 66 2363 | 26588000 | | | |
| INDICATOR-CONSTANT-SPEED-DRIVE-TEMPERATURE | ELECTRICAL-POWER-727 | AIR | 530P | 66 2363 | 26590000 | | | |
| INDICATOR-COURSE | NAVIGATION-727 | AIR | 1360P | 65 2363 | 26592000 | | | |
| INDICATOR-COURSE | NAVIGATION-727 | AIR | 1630P | 66 2363 | 26594000 | | | |
| INDICATOR-COURSE | NAVIGATION-727 | AIR | 2430P | 66 2363 | 26596000 | | | |
| INDICATOR-DIFFERENTIAL PRESSURE | AIR-CONDITIONING-880 | AIR | 260P | 65 2363 | 26598000 | | | |
| INDICATOR-DIFFERENTIAL PRESSURE | AIR-CONDITIONING-880 | AIR | 450P | 66 2363 | 26600000 | | | |
| INDICATOR-DME-DUAL | NAVIGATION-830 | AIR | 230P | 66 2363 | 26602000 | | | |
| INDICATOR-DME-DUAL | NAVIGATION-331C/373C | AIR | 270P | 66 2363 | 26604000 | | | |
| INDICATOR-DME-DUAL | NAVIGATION-707-331B | AIR | 90P | 66 2364 | 26606000 | | | |
| INDICATOR-DME-DUAL | NAVIGATION-707-331B | AIR | 160P | 66 2364 | 26608000 | | | |
| INDICATOR-DME-DUAL | NAVIGATION-707-331B | AIR | 170P | 66 2364 | 26610000 | | | |
| INDICATOR-DME-DUAL | NAVIGATION-707-331B | AIR | 310P | 65 2364 | 26612000 | | | |
| INDICATOR-DME-DUAL | NAVIGATION-707-331B | AIR | 330P | 66 2364 | 26614000 | | | |
| INDICATOR-DME-DUAL | NAVIGATION-707-331B | AIR | 350P | 66 2364 | 26616000 | | | |
| INDICATOR-DME-DUAL | NAVIGATION-707-331B | AIR | 450P | 65 2364 | 26618000 | | | |
| INDICATOR-DME-DUAL | NAVIGATION-707-331B | AIR | 980P | 65 2364 | 26620000 | | | |
| INDICATOR-DOPPLER | NAVIGATION-331C/373C | AIR | 250P | 66 2364 | 26622000 | | | |
| INDICATOR-DOPPLER | NAVIGATION-707-331B | AIR | 420P | 65 2364 | 26624000 | | | |
| INDICATOR-DOPPLER | NAVIGATION-707-331B | AIR | 500P | 66 2364 | 26626000 | | | |
| INDICATOR-DOPPLER | NAVIGATION-707-331B | AIR | 600P | 66 2364 | 26628000 | | | |
| INDICATOR-DOPPLER | NAVIGATION-707-331B | AIR | 620P | 65 2364 | 26630000 | | | |
| INDICATOR-DOPPLER | NAVIGATION-707-331B | AIR | 780P | 66 2364 | 26632000 | | | |
| INDICATOR-DUAL-AIR-PRESS | NAVIGATION-707-331B | AIR | 870P | 66 2364 | 26634000 | | | |
| INDICATOR-DUCT-TEMPERATURE-0-200C | AIR-CONDITIONING-727 | AIR | 430P | 66 2363 | 26636000 | | | |
| INDICATOR-DUCT-TEMPERATURE-21P-CONDITIONING-727 | | AIR | 220P | 66 2363 | 26638000 | | | |
| INDICATOR-DUCT-TEMPERATURE-21P-CONDITIONING-727 | | AIR | 350P | 66 2363 | 26640000 | | | |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | | | | | | | | | | YR | CROSS |
|---|----------------------------|-------------|--------------|---------------------|-----------------|-------------|----------|---------|-------|--------|----|-------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LATION | HOURS | OF DATA | INDEX | REF NO | | |
| -40° INDICATING AND MEASURING | | | | | | | | | | | | |
| INDICATOR-ENGINE-OIL- | OIL-707-3318 | AIR | 130P | | 66 | 2364 | 26646000 | | | | | |
| INDICATOR-ENGINE-OIL- | OIL-707-3318 | AIR | 190P | | 66 | 2364 | 26648000 | | | | | |
| INDICATOR-ENGINE-OIL- | OIL-707-1318 | AIR | 230P | | 66 | 2364 | 26650000 | | | | | |
| INDICATOR-ENGINE-OIL- | OIL-707-1318 | AIR | 310P | | 65 | 2364 | 26652000 | | | | | |
| INDICATOR-ENGINE-OIL- | OIL-707-3318 | AIR | 320P | | 65 | 2364 | 26654000 | | | | | |
| INDICATOR-ENGINE-OIL- | OIL-707-1318 | AIR | 430P | | 66 | 2364 | 26656000 | | | | | |
| INDICATOR-EXHAUST-TEMPERATURE | ENGINE-INDICATING-707-331 | AIR | 390P | | 66 | 2364 | 26658000 | | | | | |
| INDICATOR-EXHAUST-TEMPERATURE | ENGINE-INDICATING-707-1318 | AIR | 490P | | 66 | 2364 | 26660000 | | | | | |
| INDICATOR-EXHAUST-TEMPERATURE | ENGINE-INDICATING-707-1318 | AIR | 500P | | 66 | 2364 | 26662000 | | | | | |
| INDICATOR-EXHAUST-TEMPERATURE | ENGINE-INDICATING-707-1318 | AIR | 660P | | 65 | 2364 | 26664000 | | | | | |
| INDICATOR-EXHAUST-TEMPERATURE | ENGINE-INDICATING-707-131 | AIR | 720P | | 66 | 2364 | 26666000 | | | | | |
| INDICATOR-EXHAUST-TEMPERATURE | ENGINE-INDICATING-707-131 | AIR | 950P | | 65 | 2364 | 26668000 | | | | | |
| INDICATOR-EXHAUST-TEMPERATURE | ENGINE-INDICATING-707-331 | AIR | 1000P | | 65 | 2364 | 26670000 | | | | | |
| INDICATOR-EXHAUST-TEMPERATURE | ENGINE-INDICATING-707-131 | AIR | 1070P | | 66 | 2364 | 26672000 | | | | | |
| INDICATOR-EXHAUST-TEMPERATURE | ENGINE-INDICATING-707-331 | AIR | 1260P | | 66 | 2364 | 26674000 | | | | | |
| INDICATOR-FLAP-POSITION-AND-ASSEMBLY-SG | FLIGHT-CONTROL-727 | AIR | 470P | | 66 | 2363 | 26676000 | | | | | |
| INDICATOR-FLAP-POSITION-AND-ASSEMBLY-SG | FLIGHT-CONTROL-727 | AIR | 1052P | | 66 | 2363 | 26678000 | | | | | |
| INDICATOR-FLAP-POSITION-AND-ASSEMBLY-SG | FLIGHT-CONTROLS-727 | AIR | 210P | | 66 | 2365 | 26680000 | | | | | |
| INDICATOR-FLAP-POSITION-AND-ASSEMBLY-SG | FLIGHT-CONTROLS-727 | AIR | 3350P | | 65 | 2365 | 26682000 | | | | | |
| INDICATOR-FLAP-PSN-DUAL | FLIGHT-CONTROLS-727 | AIR | 430P | | 66 | 2365 | 26684000 | | | | | |
| INDICATOR-FLAP-PSN | FLIGHT-CONTROLS-880 | AIR | 320P | | 66 | 2365 | 26686000 | | | | | |
| INDICATOR-FLAP-PSN | FLIGHT-CONTROLS-880 | AIR | 480P | | 65 | 2365 | 26688000 | | | | | |
| INDICATOR-FLAP-PSN | FLIGHT-CONTROL-880 | AIR | 500P | | 66 | 2363 | 26690000 | | | | | |
| INDICATOR-FLAP-PSN | FLIGHT-CONTROL-880 | AIR | 600P | | 66 | 2365 | 26692000 | | | | | |
| INDICATOR-FLAP-PSN | FLIGHT-CONTROL-880 | AIR | 610P | | 66 | 2363 | 26694000 | | | | | |
| INDICATOR-FLIGHT-PATH | NAVIGATION-707-1318 | AIR | 720P | | 65 | 2363 | 26696000 | | | | | |
| INDICATOR-FLIGHT-PATH | NAVIGATION-331C/373C | AIR | 270P | | 66 | 2364 | 26698000 | | | | | |
| INDICATOR-FLIGHT-PATH | NAVIGATION-331C/373C | AIR | 540P | | 66 | 2363 | 26700000 | | | | | |
| INDICATOR-FLIGHT-PATH | NAVIGATION-707-331 | AIR | 563P | | 65 | 2363 | 26702000 | | | | | |
| INDICATOR-FLIGHT-PATH | NAVIGATION-707-331 | AIR | 620P | | 65 | 2364 | 26704000 | | | | | |
| INDICATOR-FLIGHT-PATH | NAVIGATION-707-331 | AIR | 1060P | | 65 | 2364 | 26706000 | | | | | |
| INDICATOR-FLIGHT-PATH | NAVIGATION-707-331 | AIR | 1250P | | 66 | 2364 | 26708000 | | | | | |

ROME AIR DEVELOPMENT CENTER, GAITHERSBURG, M.D.

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------------------|-----------------|---------------------------------|-------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| 440 INDICATING AND MEASURING | | | | | | | | | |
| INDICATOR-FLIGHT-PATH | | NAVIGATION-707-131B | AIR | 1400P | | | | 65 | 2364 26710000 |
| INDICATOR-FLIGHT-PATH | | NAVIGATION-331C/373C | AIR | 1530P | | | | 66 | 2363 26712000 |
| INDICATOR-FLIGHT-PATH | | NAVIGATION-707-331B | AIR | 1540P | | | | 66 | 2364 26714000 |
| INDICATOR-FLIGHT-PATH | | NAVIGATION-707-131 | AIR | 1580P | | | | 66 | 2364 26716000 |
| INDICATOR-FLIGHT-PATH | | NAVIGATION-707-131 | AIR | 1640P | | | | 65 | 2364 26718000 |
| INDICATOR-FLIGHT-PATH | | NAVIGATION-707-331B | AIR | 1750P | | | | 66 | 2364 26720000 |
| INDICATOR-FLIGHT-PATH | | NAVIGATION-707-131 | AIR | 2450P | | | | 66 | 2364 26722000 |
| INDICATOR-FLIGHT-PATH | | NAVIGATION-707-131B | AIR | 2500P | | | | 66 | 2364 26724000 |
| INDICATOR-FLIGHT-PATH | | NAVIGATION-707-331 | AIR | 2690P | | | | 66 | 2364 26726000 |
| INDICATOR-FUEL-FLOW | | ENGINE-FUEL-AND-CONTROL-707-131 | AIR | 60P | | | | 66 | 2364 26728000 |
| INDICATOR-FUEL-FLOW | | ENGINE-FUEL-AND-CONTROL-707-131 | AIR | 70P | | | | 65 | 2364 26730000 |
| INDICATOR-FUEL-FLOW | | ENGINE-FUEL-AND-CONTROL-880 | AIR | 140P | | | | 65 | 2363 26732000 |
| INDICATOR-FUEL-FLOW | | ENGINE-FUEL-AND-CONTROL-707-131 | AIR | 170P | | | | 66 | 2364 26734000 |
| INDICATOR-FUEL-FLOW | | ENGINE-FUEL-AND-CONTROL-707-331 | AIR | 250P | | | | 66 | 2364 26736000 |
| INDICATOR-FUEL-FLOW | | ENGINE-FUEL-AND-CONTROL-707-331 | AIR | 310P | | | | 66 | 2364 26738000 |
| INDICATOR-FUEL-FLOW | | ENGINE-FUEL-AND-CONTROL-880 | AIR | 570P | | | | 66 | 2363 26740000 |
| INDICATOR-FUEL-FLOW | | ENGINE-FUEL-AND-CONTROL-880 | AIR | 590P | | | | 66 | 2363 26742000 |
| INDICATOR-FUEL-FLOW | | ENGINE-FUEL-AND-CONTROL-707-331 | AIR | 620P | | | | 65 | 2362 26744000 |
| INDICATOR-FUEL-FLOW | | ENGINE-FUEL-AND-CONTROL-707-331 | AIR | 930P | | | | 65 | 2364 26746000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-331C/373C | AIR | 240P | | | | 66 | 2365 26748000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-331C/373C | AIR | 250P | | | | 66 | 2365 26750000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-880 | AIR | 270P | | | | 65 | 2363 26752000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-331C/373C | AIR | 270P | | | | 66 | 2363 26754000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-331C/373C | AIR | 270P | | | | 66 | 2363 26756000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-727 | AIR | 300P | | | | 65 | 2365 26758000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-880 | AIR | 300P | | | | 66 | 2365 26760000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-580 | AIR | 320P | | | | 66 | 2365 26762000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-880 | AIR | 400P | | | | 66 | 2365 26764000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-880 | AIR | 420P | | | | 66 | 2363 26766000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-880 | AIR | 450P | | | | 66 | 2365 26768000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-331C/373C | AIR | 490P | | | | 65 | 2365 26770000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-727 | AIR | 510P | | | | 66 | 2363 26772000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-880 | AIR | 610P | | | | 66 | 2365 26774000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-880 | AIR | 610P | | | | 66 | 2363 26776000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-727 | AIR | 680P | | | | 66 | 2365 26778000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-880 | AIR | 760P | | | | 65 | 2365 26780000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-880 | AIR | 790P | | | | 66 | 2365 26782000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-880 | AIR | 800P | | | | 65 | 2365 26784000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-880 | AIR | 830P | | | | 66 | 2363 26786000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-880 | AIR | 870P | | | | 66 | 2365 26788000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-880 | AIR | 900P | | | | 65 | 2363 26790000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-880 | AIR | 920P | | | | 66 | 2363 26792000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-727 | AIR | 960P | | | | 66 | 2363 26794000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-727 | AIR | 1310P | | | | 66 | 2365 26796000 |
| INDICATOR-FUEL-QUANTITY | | FUEL-331C/373C | AIR | 1310P | | | | 66 | 2365 26798000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1960

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|-----------------------------|---------------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|-------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| 40 INDICATING AND MEASURING | | | | | | | | | |
| INDICATOR-HYDRAULIC-PRESS | HYDRAULIC-PRESS-820 | AIR | 240P | 65 | 2365 | 26894000 | | | |
| INDICATOR-HYDRAULIC-PRESS | HYDRAULIC-PRESS-820 | AIR | 300P | 65 | 2365 | 26894000 | | | |
| INDICATOR-LONG-TRIM-PSN | FLIGHT-CONTROLS-880 | AIR | 150P | 66 | 2365 | 26890000 | | | |
| INDICATOR-LONG-TRIM-PSN | FLIGHT-CONTROLS-300 | AIR | 160P | 65 | 2365 | 26890000 | | | |
| INDICATOR-LONG-TRIM-PSN | FLIGHT-CONTROLS-880 | AIR | 180P | 65 | 2363 | 26892000 | | | |
| INDICATOR-LONG-TRIM-PSN | FLIGHT-CONTROLS-880 | AIR | 320P | 66 | 2365 | 26894000 | | | |
| INDICATOR-LORAN | NAVIGATION-707-331B | AIR | 190P | 66 | 2364 | 26896000 | | | |
| INDICATOR-LORAN | NAVIGATION-707-331B | AIR | 340P | 66 | 2364 | 26898000 | | | |
| INDICATOR-LORAN | NAVIGATION-707-331B | AIR | 420P | 65 | 2364 | 26900000 | | | |
| INDICATOR-LORAN | NAVIGATION-707-331 | AIR | 670P | 66 | 2364 | 26902000 | | | |
| INDICATOR-LORAN | NAVIGATION-707-331 | AIR | 930P | 65 | 2364 | 26904000 | | | |
| INDICATOR-MAGNETIC-RADIO | NAVIGATION-707-131B | AIR | 70P | 65 | 2364 | 26906000 | | | |
| INDICATOR-MAGNETIC-RADIO | NAVIGATION-707-331B | AIR | 90P | 66 | 2364 | 26908000 | | | |
| INDICATOR-MAGNETIC-RADIO | NAVIGATION-707-131 | AIR | 110P | 66 | 2364 | 26910000 | | | |
| INDICATOR-MAGNETIC-RADIO | NAVIGATION-707-131 | AIR | 140P | 65 | 2364 | 26912000 | | | |
| INDICATOR-MAGNETIC-RADIO | NAVIGATION-707-331 | AIR | 160P | 66 | 2364 | 26914000 | | | |
| INDICATOR-MAGNETIC-RADIO | NAVIGATION-707-131B | AIR | 200P | 66 | 2364 | 26916000 | | | |
| INDICATOR-MAGNETIC-RADIO | NAVIGATION-707-131 | AIR | 220P | 66 | 2364 | 26918000 | | | |
| INDICATOR-MAGNETIC-RADIO | NAVIGATION-707-331B | AIR | 290P | 66 | 2364 | 26920000 | | | |
| INDICATOR-MAGNETIC-RADIO | NAVIGATION-707-331 | AIR | 310P | 66 | 2364 | 26922000 | | | |
| INDICATOR-NAVIGATOR-ADF | NAVIGATION-707-331 | AIR | 100P | 65 | 2364 | 26924000 | | | |
| INDICATOR-OIL-PRESS | OIL-707-131B | AIR | 100P | 65 | 2364 | 26926000 | | | |
| INDICATOR-OIL-PRESS | OIL-707-131B | AIR | 100P | 66 | 2364 | 26928000 | | | |
| INDICATOR-OIL-PRESS | OIL-707-131 | AIR | 100P | 66 | 2364 | 26930000 | | | |
| INDICATOR-OIL-PRESS | OIL-707-131B | AIR | 130P | 66 | 2364 | 26932000 | | | |
| INDICATOR-OIL-PRESS | OIL-707-131 | AIR | 140P | 65 | 2364 | 26934000 | | | |
| INDICATOR-OIL-PRESS | OIL-707-331 | AIR | 150P | 65 | 2364 | 26936000 | | | |
| INDICATOR-OIL-PRESS | OIL-707-331 | AIR | 160P | 66 | 2364 | 26938000 | | | |
| INDICATOR-OIL-PRESS | OIL-707-131 | AIR | 230P | 66 | 2364 | 26940000 | | | |
| INDICATOR-OIL-PRESS | OIL-707-331 | AIR | 250P | 66 | 2364 | 26942000 | | | |
| INDICATOR-OIL-PRESSURE-DIAL | OIL-707-331 | AIR | 100P | 65 | 2330 | 26944000 | | | |
| INDICATOR-OIL-QUANTITY | OIL-707-331 | AIR | 390P | 65 | 2364 | 26946000 | | | |
| INDICATOR-OIL-QUANTITY | OIL-707-331 | AIR | 500P | 66 | 2364 | 26948000 | | | |
| INDICATOR-OIL-QUANTITY | OIL-707-331 | AIR | 550P | 66 | 2364 | 26950000 | | | |
| INDICATOR-OIL-QUANTITY | OIL-707-131 | AIR | 570P | 66 | 2364 | 26952000 | | | |
| INDICATOR-OIL-QUANTITY | OIL-707-131 | AIR | 610P | 63 | 2364 | 26954000 | | | |
| INDICATOR-OIL-QUANTITY | OIL-707-131 | AIR | 720P | 66 | 2364 | 26956000 | | | |
| INDICATOR-OIL-TEMPERATURE | OIL-707-131 | AIR | 60P | 66 | 2364 | 26958000 | | | |
| INDICATOR-OIL-TEMPERATURE | OIL-707-131B | AIR | 100P | 66 | 2363 | 26960000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-707-131B | AIR | 70P | 65 | 2364 | 26962000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-707-131B | AIR | 90P | 66 | 2364 | 26964000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-707-131B | AIR | 130P | 66 | 2364 | 26966000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-707-331 | AIR | 310P | 66 | 2364 | 26968000 | | | |
| INDICATOR-OMNI-BEARING | NAVIGATION-707-331 | AIR | 340P | 66 | 2364 | 26970000 | | | |

POPE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 95 CONF LIMIT | PART POPULATION | PART LATION HOURS | YR OF DATA INDEX | CROSS RPT SACE REF NO |
|----------------------------------|----------------------|------------------------|-------------|--------------|---------------------|-----------------|-------------------|------------------|-----------------------|
| .40 INDICATING AND MEASURING | | | | | | | | | |
| INDICATOR-OK-I-BEAKING | NAVIGATION-707-131 | AIR | 340P | 66 2364 | 26574000 | | | | |
| INDICATOR-PNEUMATIC-BRAKE-PRESS | LANDING-GEAR-727 | AIR | 400P | 66 2365 | 26974000 | | | | |
| INDICATOR-RADIO-MAGNETIC | NAVIGATION-880 | AIR | 150P | 66 2363 | 26978000 | | | | |
| INDICATOR-RADIO-MAGNETIC | NAVIGATION-880 | AIR | 170P | 66 2363 | 26980000 | | | | |
| INDICATOR-RADIO-MAGNETIC | NAVIGATION-880 | AIR | 270P | 65 2363 | 26982000 | | | | |
| INDICATOR-RADIO-MAGNETIC | NAVIGATION-331C/373C | AIR | 280P | 65 2363 | 26984000 | | | | |
| INDICATOR-RADIO-MAGNETIC | NAVIGATION-727 | AIR | 330P | 66 2363 | 26986000 | | | | |
| INDICATOR-RATE | NAVIGATION-707-131 | AIR | 220P | 66 2364 | 26988000 | | | | |
| INDICATOR-RATE-OF-CLIMB | NAVIGATION-707-131 | AIR | 90P | 65 2364 | 26990000 | | | | |
| INDICATOR-RATE-OF-CLIMB | NAVIGATION-707-331B | AIR | 100P | 66 2364 | 26992000 | | | | |
| INDICATOR-RATE-OF-CLIMB | NAVIGATION-707-131 | AIR | 110P | 66 2364 | 26994000 | | | | |
| INDICATOR-RATE-OF-CLIMB | INSTRUMENTS-727 | AIR | 120P | 66 2365 | 26996000 | | | | |
| INDICATOR-RATE-OF-CLIMB | NAVIGATION-707-131B | AIR | 130P | 66 2364 | 26998000 | | | | |
| INDICATOR-RATE-OF-CLIMB | NAVIGATION-707-331B | AIR | 170P | 66 2364 | 27000000 | | | | |
| INDICATOR-RATE-OF-CLIMB | NAVIGATION-880 | AIR | 170P | 66 2363 | 27002000 | | | | |
| INDICATOR-RATE-OF-CLIMB | NAVIGATION-707-131B | AIR | 200P | 66 2367 | 27004000 | | | | |
| INDICATOR-RATE-OF-CLIMB | NAVIGATION-707-131B | AIR | 280P | 65 2364 | 27006000 | | | | |
| INDICATOR-RATE-OF-CLIMB | NAVIGATION-880 | AIR | 300P | 66 2363 | 27008000 | | | | |
| INDICATOR-RATE-OF-CLIMB | NAVIGATION-707-331 | AIR | 310P | 66 2364 | 27010000 | | | | |
| INDICATOR-RATE-OF-CLIMB | NAVIGATION-707-331 | AIR | 310P | 65 2364 | 27012000 | | | | |
| INDICATOR-RATE-OF-CLIMB | NAVIGATION-707-331 | AIR | 340P | 66 2364 | 27014000 | | | | |
| INDICATOR-RATE-OF-CLIMB | NAVIGATION-880 | AIR | 360P | 65 2363 | 27016000 | | | | |
| INDICATOR-RATE-OF-CLIMB | NAVIGATION-707-331B | AIR | 420P | 65 2364 | 27018000 | | | | |
| INDICATOR-RATE-OF-CLIMB | NAVIGATION-707-131 | AIR | 560P | 66 2364 | 27020000 | | | | |
| INDICATOR-RATE-OF-CLIMB | INSTRUMENTS-727 | AIR | 650P | 66 2363 | 27022000 | | | | |
| INDICATOR-STATIC-AIR-TEMPERATURE | NAVIGATION-880 | AIR | 180P | 65 2363 | 27024000 | | | | |
| INDICATOR-STATIC-AIR-TEMPERATURE | NAVIGATION-707-131 | AIR | 230P | 66 2364 | 27026000 | | | | |
| INDICATOR-STATIC-AIR-TEMPERATURE | NAVIGATION-707-131B | AIR | 260P | 66 2364 | 27028000 | | | | |
| INDICATOR-STATIC-AIR-TEMPERATURE | NAVIGATION-880 | AIR | 330P | 66 2363 | 27030000 | | | | |
| INDICATOR-STATIC-AIR-TEMPERATURE | NAVIGATION-707-131 | AIR | 450P | 66 2364 | 27032000 | | | | |
| INDICATOR-STATIC-AIR-TEMPERATURE | NAVIGATION-707-331B | AIR | 510P | 66 2364 | 27034000 | | | | |
| INDICATOR-STATIC-AIR-TEMPERATURE | NAVIGATION-331C/373C | AIR | 540P | 66 2363 | 27036000 | | | | |
| INDICATOR-STATIC-AIR-TEMPERATURE | NAVIGATION-331C/373C | AIR | 560P | 65 2363 | 27038000 | | | | |
| INDICATOR-STATIC-AIR-TEMPERATURE | NAVIGATION-707-331B | AIR | 580P | 66 2364 | 27040000 | | | | |
| INDICATOR-STATIC-AIR-TEMPERATURE | NAVIGATION-880 | AIR | 610P | 66 2363 | 27042000 | | | | |

ROME AIR DEVELOPMENT CENTER, GRAIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | UPPER PART | 90 C.B. # | YR | CRESS |
|----------------------------------|----------------------------|--------------|-------------|-------------------|-------------------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | ENVIRONMENT | PART LATION HOURS | OF DATA INDEX RPT SAGE REF NO |
| 440 INDICATING AND MEASURING | | | | | |
| INDICATOR-STATIC-IR-TEMPERATURE | NAVIGATION-707-331 | 630P | AIR | 66 2364 | 27054000 |
| INDICATOR-STATIC-AIR-TEMPERATURE | NAVIGATION-727 | 710P | AIR | 66 2363 | 27044000 |
| INDICATOR-STATIC-AIR-TEMPERATURE | NAVIGATION-707-131 | 820P | AIR | 65 2364 | 27048000 |
| INDICATOR-STATIC-AIR-TEMPERATURE | NAVIGATION-707-131B | 930P | AIR | 66 2364 | 27050000 |
| INDICATOR-STATIC-AIR-TEMPERATURE | NAVIGATION-331C/373C | 1020P | AIR | 66 2363 | 27052000 |
| INDICATOR-STATIC-AIR-TEMPERATURE | NAVIGATION-707-131B | 1260P | AIR | 65 2364 | 27054000 |
| INDICATOR-STATIC-AIR-TEMPERATURE | NAVIGATION-727 | 1300P | AIR | 66 2363 | 27056000 |
| INDICATOR-STATIC-AIR-TEMPERATURE | NAVIGATION-727 | 1360P | AIR | 65 2363 | 27058000 |
| INDICATOR-STATIC-AIR-TEMPERATURE | NAVIGATION-707-331 | 1680P | AIR | 66 2364 | 27060000 |
| INDICATOR-TACHOMETER | ENGINE-INDICATING-707-331 | 60GP | AIR | 65 2330 | 27062000 |
| INDICATOR-TACHOMETER-N1 | ENGINE-INDICATING-707-131B | 160P | AIR | 66 2364 | 27064000 |
| INDICATOR-TACHOMETER-N1 | ENGINE-INDICATING-707-131B | 170P | AIR | 65 2364 | 27066000 |
| INDICATOR-TACHOMETER-N1 | ENGINE-INDICATING-707-131B | 200P | AIR | 66 2364 | 27068000 |
| INDICATOR-TACHOMETER-N1 | ENGINE-INDICATING-707-131B | 220P | AIR | 66 2364 | 27070000 |
| INDICATOR-TACHOMETER-N1 | ENGINE-INDICATING-707-131B | 300P | AIR | 66 2364 | 27072000 |
| INDICATOR-TACHOMETER-N1 | ENGINE-INDICATING-707-131B | 310P | AIR | 65 2364 | 27074000 |
| INDICATOR-TACHOMETER-N1 | ENGINE-INDICATING-707-131B | 340P | AIR | 65 2364 | 27076000 |
| INDICATOR-TACHOMETER-N1 | ENGINE-INDICATING-707-131B | 510P | AIR | 66 2364 | 27078000 |
| INDICATOR-TACHOMETER-N1 | ENGINE-INDICATING-707-131B | 590P | AIR | 66 2364 | 27080000 |
| INDICATOR-TACHOMETER-N2 | ENGINE-INDICATING-707-131B | 80P | AIR | 66 2364 | 27082000 |
| INDICATOR-TACHOMETER-N2 | ENGINE-INDICATING-707-131B | 110P | AIR | 66 2364 | 27084000 |
| INDICATOR-TACHOMETER-N2 | ENGINE-INDICATING-707-131B | 110P | AIR | 66 2364 | 27086000 |
| INDICATOR-TACHOMETER-N2 | ENGINE-INDICATING-707-131B | 140P | AIR | 65 2364 | 27088000 |
| INDICATOR-TACHOMETER-N2 | ENGINE-INDICATING-707-131B | 160P | AIR | 66 2364 | 27090000 |
| INDICATOR-TACHOMETER-N2 | ENGINE-INDICATING-707-131B | 170P | AIR | 66 2364 | 27092000 |
| INDICATOR-TACHOMETER-N2 | ENGINE-INDICATING-707-131B | 210P | AIR | 65 2364 | 27094000 |
| INDICATOR-TACHOMETER-N2 | ENGINE-INDICATING-707-131B | 330P | AIR | 66 2364 | 27096000 |
| INDICATOR-TAT | NAVIGATION-727 | 680P | AIR | 65 2363 | 27098000 |
| INDICATOR-TAT | NAVIGATION-727 | 1300P | AIR | 66 2363 | 27100000 |
| INDICATOR-TAT | NAVIGATION-727 | 2120P | AIR | 66 2363 | 27102000 |
| INDICATOR-TG-RPM | AIR-CONDITIONING-880 | 80P | AIR | 66 2363 | 27104000 |
| INDICATOR-TG-RPM | AIR-CONDITIONING-880 | 150P | AIR | 66 2363 | 27106000 |
| INDICATOR-TG | FUEL-880 | 200P | AIR | 65 2330 | 27108000 |
| INDICATOR-TOTAL-FUEL-QUANTITY | FUEL-880 | 470P | AIR | 66 2365 | 27110000 |
| INDICATOR-TOTAL-FUEL-QUANTITY | FUEL-880 | 640P | AIR | 65 2365 | 27112000 |

ROME AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA INDEX | CROSS RPT SRCE REF NO |
|-------------------------------|-----------------------------------|------------------------|-------------|------------------|---------------------|-----------------|------------|------------------|-----------------------|
| PART DESCRIPTION | | | | | | | | | |
| 40 | INDICATING AND MEASURING | | | | | | | | |
| INDICATOR-TOTAL-FUEL-QUANTITY | FUEL-REC | AIR | 910P | 66 2363 27114000 | | | | | |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-331C/373C | AIR | 270P | 66 2363 27116000 | | | | | |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-331C/373C | AIR | 280P | 66 2363 27118000 | | | | | |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-707-331B | AIR | 340P | 66 2364 27120000 | | | | | |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-707-131 | AIR | 450P | 66 2364 27122000 | | | | | |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-880 | AIR | 450P | 66 2363 27124000 | | | | | |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-707-131B | AIR | 531P | 66 2364 27126000 | | | | | |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-707-131B | AIR | 560P | 66 2364 27128000 | | | | | |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-707-131B | AIR | 590P | 66 2364 27130000 | | | | | |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-880 | AIR | 760P | 66 2363 27132000 | | | | | |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-707-131 | AIR | 790P | 66 2364 27134000 | | | | | |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-707-131 | AIR | 820P | 66 2364 27136000 | | | | | |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-880 | AIR | 840P | 66 2363 27138000 | | | | | |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-707-331 | AIR | 940P | 66 2364 27140000 | | | | | |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-331C/373C | AIR | 1020P | 66 2363 27142000 | | | | | |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-707-331B | AIR | 1170P | 66 2364 27144000 | | | | | |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-707-331 | AIR | 1230P | 66 2364 27146000 | | | | | |
| INDICATOR-TURN-AND-SLIP | NAVIGATION-707-331 | AIR | 1850P | 66 2364 27148000 | | | | | |
| INDICATOR-UTILITY-HYDRAULIC | HYDRAULIC-POWER-331C/73C | AIR | 360P | 66 2363 27150000 | | | | | |
| INDICATOR-VALVE-POSITION | AIR-CONDITIONING-880 | AIR | 390P | 66 2363 27152000 | | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-727 | AIR | 220P | 66 2363 27154000 | | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-131B | AIR | 270P | 66 2364 27156000 | | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-331 | AIR | 340P | 66 2364 27158000 | | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-727 | AIR | 340P | 66 2363 27160000 | | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-131B | AIR | 390P | 66 2364 27162000 | | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-880 | AIR | 541P | 66 2363 27164000 | | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-331C/373C | AIR | 560P | 66 2363 27166000 | | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-880 | AIR | 610P | 66 2363 27168000 | | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-131 | AIR | 670P | 66 2363 27170000 | | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-331B | AIR | 670P | 66 2364 27172000 | | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-727 | AIR | 710P | 66 2364 27174000 | | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-331 | AIR | 940P | 66 2364 27176000 | | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-131B | AIR | 920P | 66 2364 27178000 | | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-131 | AIR | 1030P | 66 2364 27180000 | | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-331B | AIR | 1170P | 66 2364 27182000 | | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-331B | AIR | 1270P | 66 2364 27184000 | | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-131 | AIR | 1360P | 66 2364 27186000 | | | | | |
| INDICATOR-WEATHER-RADAR | NAVIGATION-707-331 | AIR | 2160P | 66 2364 27188000 | | | | | |
| INDICATORS | TACAN-RADIO-ARN218 | AIR | * | 192.847 31 | 0.1194 | 63 1111 | 27192000 | | |
| INDICATORS | TACAN-RADIO-ARN218 | AIR | * | 192.847 31 | 0.1194 | 63 1111 | 27194000 | | |
| INDICATORS | PANEL-PRESSURE-AIR-COOLING-SYSTEM | AIR | * | 192.847 31 | 0.1194 | 63 1111 | 27196000 | | |
| INDICATORS | PANEL-AIR-COOLING-SYSTEM | AIR | * | 192.847 31 | 0.1194 | 63 1111 | 27198000 | | |
| INDICATORS | LORAN-CC-8 | AIR | * | | | 66 2380 | 27200000 | | |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 427 INSTRUMENTS

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | VR OF DATA | CROSS REF |
|------------------|-------------------------------------|-------------|--------------|---------------------|-----------------|------------|------------|--------------|
| INDICATORS | DME | AIR | 10 | | | | 66 | 2380 2726000 |
| INDICATORS | VHF-NAV-SYSTEM-AN/APN-14-ID-263 | AIR | 11.4577 | 22.8969 | 300 | .34911 | 65 | 1198 2726000 |
| INDICATORS | TRIMTAB-RODDER | AIR | 77.9944 | 90.0728 | 848 | 1.07 | 64 | 1266 2726000 |
| INDICATORS | COMPASS | AIR | 160 | | | | 66 | 2380 2726000 |
| INDICATORS | DOPPLER-RADAR-AN/APN-147 | AIR | 291.757 | 432.325 | 76 | .94113 | 6 | 1250 2726000 |
| INDICATORS | GMT-DIRECTIONAL-RADAR-ARN-14 | AIR | 307.176 | 463.536 | 93 | .03581 | 63 | 1114 2726000 |
| INDICATORS | AUTO-FLIGHT-CC-8 | AIR | 370 | | | | 66 | 2380 2726000 |
| INDICATORS | RECEIVING-SET-APR-9 | AIR | 460.829 | 695.356 | 63 | .02387 | 63 | 1114 2726000 |
| INDICATORS | SHORAN-AN/APN-84-1-342-MIRAN-SYSTEM | AIR | 478.463 | 857.531 | 50 | .01045 | 63 | 1198 2726000 |
| INDICATORS | SHORAN-AN/APN-84-1-342-MIRAN-SYSTEM | AIR | 555.555 | 1000.52 | 50 | .009 | 63 | 1114 2726000 |
| INDICATORS | FADAR-CC-8 | AIR | 590 | | | | 66 | 2380 2726000 |
| INDICATORS | SEARCH-RADAR-AN/APN-59-IP-268 | AIR | 612.903 | 835.536 | 136 | .031 | 63 | 1114 2726000 |
| INDICATORS | PILOT-MASTER-ATT-REF-SYSTEM-FLIGHT | AIR | 653.181 | 821.375 | 102 | .038 | 63 | 1114 2726000 |
| INDICATORS | INSTRUMENTATION | AIR | | | | | 64 | 1155 2726000 |
| INDICATORS | AN/ASA-24-NAVIGATION-COMPUTER | AIR | 701.547 | 893.094 | 63 | .04644 | 45 | 1198 2726000 |
| INDICATORS | PILOT-MASTER-ATT-REF-SYSTEM-FLIGHT | AIR | 827.357 | 940.745 | 50 | .12691 | | |
| INDICATORS | INSTRUMENTATION | AIR | | | | | 65 | 1227 2726000 |
| INDICATORS | SEARCH-RADAR-AN/APN-55-IP-628 | AIR | 889.967 | 1186.09 | 48 | .02472 | 66 | 2380 2726000 |
| INDICATORS | RADAR | AIR | 950 | | | | 63 | 1114 2726000 |
| INDICATORS | SEARCH-RADAR-AN/APN-59-IP-268 | AIR | 1045.45 | 1199.44 | 102 | .038 | 65 | 1227 2726000 |
| INDICATORS | SEARCH-RADAR-AN/APN-55-IP-454 | AIR | 1051.77 | 1368.78 | 48 | .0272 | 63 | 1114 2726000 |
| INDICATORS | SEARCH-RADAR-AN/APN-42-IP-217 | AIR | 1079.03 | 1599.06 | 100 | .01112 | 65 | 1198 2726000 |
| INDICATORS | SEARCH-RADAR-AN/APN-59-IP-268 | AIR | 1155.79 | 1251.44 | 200 | .02274 | 65 | 1198 2726000 |
| INDICATORS | SEARCH-RADAR-AN/APN-59-IP-268 | AIR | 1158.3 | 1290.59 | 50 | .1291 | 63 | 1114 2726000 |
| INDICATORS | SEARCH-RADAR-AN/APN-42-IP-217 | AIR | 200 | 1770.15 | 100 | .010 | 63 | 1114 2726000 |
| INDICATORS | SEARCH-RADAR-AN/APN-59-IP-268 | AIR | 168.76 | 1757.87 | 50 | .08478 | 63 | 1198 2726000 |
| INDICATORS | SEARCH-RADAR-AN/APN-59-IP-268 | AIR | 1614.28 | 1826.85 | 50 | .070 | 63 | 1114 2726000 |
| INDICATORS | SEARCH-RADAR-AN/APN-59-IP-239 | AIR | 2170.45 | 2385.88 | 102 | .088 | 63 | 1114 2726000 |
| INDICATORS | SEARCH-RADAR-AN/APN-59-IP-239 | AIR | 2277.2 | 2458.64 | 50 | .12691 | 65 | 1198 2726000 |
| INDICATORS | SEARCH-RADAR-AN/APN-59-IP-239 | AIR | 4529.37 | 4040.18 | 50 | .03478 | 63 | 1198 2726000 |
| INDICATORS | SEARCH-RADAR-AN/APN-59-IP-239 | AIR | 5042.85 | 5404.51 | 50 | .070 | 63 | 1114 2726000 |
| INDICATORS | INFRARED-SYSTEM | AIR | 25812.6 | 30304.6 | 36 | .00257 | 66 | 2380 2726000 |
| INDICATORS | ELECTRICAL-POWER-707-12.8 | AIR | 300 | | | | 65 | 2361 2726000 |
| INDICATORS | TEMPERATURE | AIR | | | | | | |
| INDICATORS | TORQUEMETER-SYSTEM-ENGINE-INSTRN | AIR | 2-63754 | 10-2592 | 400 | .37914 | 65 | 1201 2726000 |
| INDICATORS | TORQUEMETER-SYSTEM-ENGINE-INSTRN | AIR | 7-0193 | 10-0917 | 1716 | 1.9945 | 65 | 1201 2726000 |
| INDICATORS | TORQUEMETER-SYSTEM-ENGINE-INSTRN | AIR | 84-6485 | 107-667 | 244 | .36622 | 65 | 1201 2726000 |
| INDICATORS | TORQUEMETER-SYSTEM-ENGINE-INSTRN | AIR | 114-873 | 136-517 | 528 | .51361 | 65 | 1201 2726000 |
| INDICATORS | TORQUEMETER-SYSTEM-ENGINE-INSTRN | AIR | 328-611 | 371-27 | 408 | .353 | 65 | 1114 2726000 |
| INDICATORS | TORQUEMETER-SYSTEM-ENGINE-INSTRN | AIR | 235-137 | 372-21 | 400 | .46540 | 65 | 1198 2726000 |
| INDICATORS | TORQUEMETER-SYSTEM-ENGINE-INSTRN | AIR | 370-348 | 407-419 | 2-3 | .50763 | 65 | 1198 2726000 |
| INDICATORS | TORQUEMETER-SYSTEM-ENGINE-INSTRN | AIR | 465-511 | 517-098 | 200 | .33912 | 63 | 1198 2726000 |
| INDICATORS | TORQUEMETER-SYSTEM-ENGINE-INSTRN | AIR | 488-294 | 544-269 | 200 | .299 | 63 | 1114 2726000 |
| INDICATORS | TORQUEMETER-SYSTEM-ENGINE-INSTRN | AIR | 532-258 | 671-837 | 272 | .062 | 65 | 1114 2726000 |

JANUARY 1968

NOMELECTRONIC PART FAILURE RATE DATA

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

SECTION 1 FAILURE RATE DATA

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT RATE | FAILURE RATE | UPPER 90 CNF LIMIT | PART LATION | PART OF DATA INDEX | YR RPT SRCE REF NO | CROSS |
|---|-----------------|----------------------------|------------------|--------------|--------------------|-------------|--------------------|--------------------|----------|
| PART DESCRIPTION | | | | | | | | | |
| .40 INDICATING AND MEASURING | | | | | | | | | |
| INDICATORS. | | NAVIGATION.707-131 | AIR | 110P | | | | 66 2361 | 27284000 |
| A-S-AND-ANGLE-OF-ATTACK INDICATORS. | | NAVIGATION.707-331 | AIR | 130P | | | | 65 2361 | 27286000 |
| A-S-AND-ANGLE-OF-ATTACK INDICATORS. | | NAVIGATION.707-331 | AIR | 140P | | | | 66 2361 | 27288000 |
| A-S-AND-ANGLE-OF-ATTACK INDICATORS. | | NAVIGATION.707-131 | AIR | 460P | | | | 66 2361 | 27290000 |
| A-S-AND-ANGLE-OF-ATTACK INDICATORS. | | NAVIGATION.707-331 | AIR | 520P | | | | 65 2361 | 27292000 |
| A-S-AND-ANGLE-OF-ATTACK INDICATORS. | | AIR-CONDITIONING.707-131B | AIR | 110P | | | | 66 2361 | 27294000 |
| AIR-SUP-DUCT-373C | | AIR-CONDITIONING.707-131B | AIR | 130P | | | | 65 2361 | 27296000 |
| INDICATORS. | | AIR-CONDITIONING.707-331B | AIR | 140P | | | | 65 2361 | 27298000 |
| CABIN-TEMPERATURE INDICATORS. | | AIR-CONDITIONING.707-331B | AIR | 70P | | | | 66 2361 | 27300000 |
| CABIN-RATE-OF-CLIMB INDICATORS. | | AIR-CONDITIONING.707-131 | AIR | 230P | | | | 66 2361 | 27302000 |
| CABIN-TEMPERATURE INDICATORS. | | ELECTRICAL-POWER.707-331 | AIR | 60P | | | | 66 2361 | 27304000 |
| CONSTANT-SPEED-DRIVE. TEMPERATURE INDICATORS. | | ELECTRICAL-POWER.707-131B | AIR | 70P | | | | 66 2361 | 27306000 |
| CONSTANT-SPEED-DRIVE. TEMPERATURE INDICATORS. | | ELECTRICAL-POWER.707-331 | AIR | 90P | | | | 66 2361 | 27308000 |
| CONSTANT-SPEED-DRIVE. TEMPERATURE INDICATORS. | | ELECTRICAL-POWER.707-131B | AIR | 110P | | | | 66 2361 | 27310000 |
| CONSTANT-SPEED-DRIVE. TEMPERATURE INDICATORS. | | ELECTRICAL-POWER.707-131B | AIR | 200P | | | | 65 2361 | 27312000 |
| CONSTANT-SPEED-DRIVE. TEMPERATURE INDICATORS. | | ELECTRICAL-POWER.707-131 | AIR | 320P | | | | 65 2361 | 27314000 |
| CONSTANT-SPEED-DRIVE. TEMPERATURE INDICATORS. | | AIR-CONDITIONING.707-331 | AIR | 260P | | | | 65 2361 | 27316000 |
| CONSTANT-SPEED-DRIVE. TEMPERATURE INDICATORS. | | AIR-CONDITIONING.707-331 | AIR | 780 | | | | 66 2361 | 27318000 |
| CONSTANT-SPEED-DRIVE. TEMPERATURE INDICATORS. | | ENGINE-INDICATING.707-331 | AIR | 560P | | | | 66 2361 | 27320000 |
| CONSTANT-SPEED-DRIVE. TEMPERATURE INDICATORS. | | ENGINE-INDICATING.707-131B | AIR | 570P | | | | 66 2361 | 27322000 |

ROCK AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | VR DATA INDEX | CROSS REF NO |
|-----------------------------|---------------------------------------|------------------------|-------------|--------------|---------------------|-----------------|---------------|--------------|
| PART DESCRIPTION | | | | | | | | |
| 40 INDICATING AND MEASURING | | | | | | | | |
| INDICATORS. | ENGINE-INDICATING-707-331 | AIR | 710P | | | | 65 2361 | 27324000 |
| EXHAUST-TEMPERATURE | | | | | | | | |
| INDICATORS. | ENGINE-INDICATING-707-131 | AIR | 720P | | | | 66 2361 | 27326000 |
| EXHAUST-TEMPERATURE | | | | | | | | |
| INDICATORS. | ENGINE-INDICATING-707-131B | AIR | 780P | | | | 66 2361 | 27328000 |
| EXHAUST-TEMPERATURE | | | | | | | | |
| INDICATORS. | ENGINE-INDICATING-707-131B | AIR | 930P | | | | 65 2361 | 27330000 |
| EXHAUST-TEMPERATURE | | | | | | | | |
| INDICATORS. | ENGINE-INDICATING-707-131 | AIR | 970P | | | | 66 2361 | 27332000 |
| EXHAUST-TEMPERATURE | | | | | | | | |
| INDICATORS. | ENGINE-INDICATING-707-331 | AIR | 990P | | | | 66 2361 | 27334000 |
| EXHAUST-TEMPERATURE | | | | | | | | |
| INDICATORS. | ENGINE-INDICATING-707-131 | AIR | 1240P | | | | 65 2361 | 27336000 |
| EXHAUST-TEMPERATURE | | | | | | | | |
| INDICATORS. | UHF-COMMUNICATION-ARC-70 | SIM GRD AIR | 838.323 | 1125.12 | 195 | .02505 | 64 1181 | 27338000A |
| FREQUENCY-CHANNEL | | | | | | | | |
| INDICATORS. | | AIR | 591.216 | 594.183 | | .01184 | 66 2132 | 27340000 |
| HORIZONTAL-FLIGHT-DIRECTION | | | | | | | | |
| INDICATORS. | ALTO-DIRECTION-FINDER | AIR | 749.063 | 1593.37 | 36 | .00267 | 66 1256 | 27342000A |
| HORIZONTAL-SITUATION | | | | | | | | |
| INDICATORS. | TACAN | AIR | 749.083 | 1993.37 | 36 | .00267 | 66 1256 | 27344000A |
| HORIZONTAL-SITUATION | | | | | | | | |
| INDICATORS. | NAVIGATION-SYSTEM | AIR | 1033.3 | 1192.29 | 152 | .08226 | 66 1256 | 27346000A |
| HORIZONTAL-SITUATION | | | | | | | | |
| INDICATORS. | | AIR | 3163.07 | 3235.09 | 1194 | 1.0357 | 67 1272 | 27348000A |
| HORIZONTAL-SITUATION | | | | | | | | |
| INDICATORS. | TACT-DISOL-ADF | AIR | 13483.1 | 16845.7 | 36 | .00267 | 66 1256 | 27350000A |
| HORIZONTAL-SITUATION | | | | | | | | |
| INDICATORS. | TACT-DISPL-FLIGHT-CONTROL/MEASUREMENT | AIR | 13483.1 | 16845.7 | 36 | .00267 | 66 1256 | 27352000A |
| HORIZONTAL-SITUATION | | | | | | | | |
| INDICATORS. | | AIR | 749.063 | 1993.37 | 36 | .00267 | 66 1256 | 27354000A |
| HORIZONTAL-SITUATION | | | | | | | | |
| FLIGHT-CONTROL-MEASURE | | | | | | | | |
| INDICATORS. | LANDING-GEAR-707-131B | AIR | 120P | | | | 66 2361 | 27356000 |
| HYDRAULIC-BRAKE-373C | | | | | | | | |
| INDICATORS. | LANDING-GEAR-707-131B | AIR | 120P | | | | 65 2361 | 27358000 |
| HYDRAULIC-BRAKE-373C | | | | | | | | |
| INDICATORS. | LANDING-GEAR-707-331B | AIR | 140P | | | | 66 2361 | 27360000 |
| HYDRAULIC-BRAKE-373C | | | | | | | | |
| INDICATORS. | LANDING-GEAR-707-131 | AIR | 220P | | | | 66 2361 | 27362000 |
| HYDRAULIC-BRAKE-373C | | | | | | | | |
| INDICATORS. | LANDING-GEAR-707-131B | AIR | 230P | | | | 66 2361 | 27364000 |
| HYDRAULIC-BRAKE-373C | | | | | | | | |
| INDICATORS. | LANDING-GEAR-707-131 | AIR | 460P | | | | 66 2361 | 27366000 |
| HYDRAULIC-BRAKE-373C | | | | | | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. JANUARY 1968
SECTION I FAILURE RATE DATA

| PART CLASS | 427 INSTRUMENTS | | | | | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA INDEX | CROSS RPT SRCE REF NO |
|--------------------------------------|--------------------------|-------------|--------------|---------|--|---------------------|-----------------|------------|------------------|-----------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | | | | | | | |
| 40 INDICATING AND MEASURING | | | | | | | | | | |
| INDICATORS. | HYDRAULIC-POWER.707.131B | AIR | 130P | | | | | | 65 2361 | 27368000 |
| HYDRAULIC-FLUID-QUANTITY INDICATORS. | HYDRAULIC-POWER.707.331B | AIR | 140P | | | | | | 66 2361 | 27370000 |
| HYDRAULIC-FLUID-QUANTITY INDICATORS. | HYDRAULIC-POWER.707.131 | AIR | 230P | | | | | | 66 2361 | 27372000 |
| HYDRAULIC-FLUID-QUANTITY INDICATORS. | HYDRAULIC-POWER.707.131B | AIR | 240P | | | | | | 66 2361 | 27374000 |
| HYDRAULIC-FLUID-QUANTITY INDICATORS. | HYDRAULIC-POWER.707.131 | AIR | 260P | | | | | | 65 2361 | 27376000 |
| HYDRAULIC-FLUID-QUANTITY INDICATORS. | HYDRAULIC-POWER.707.131B | AIR | 340P | | | | | | 66 2361 | 27378000 |
| HYDRAULIC-FLUID-QUANTITY INDICATORS. | HYDRAULIC-POWER.707.131B | AIR | 40P | | | | | | 66 2361 | 27380000 |
| HYDRAULIC-PRESSURE INDICATORS. | HYDRAULIC-POWER.707.131 | AIR | 70P | | | | | | 66 2361 | 27382000 |
| HYDRAULIC-PRESSURE INDICATORS. | HYDRAULIC-POWER.707.131B | AIR | 80P | | | | | | 66 2361 | 27384000 |
| HYDRAULIC-PRESSURE INDICATORS. | HYDRAULIC-POWER.707.331B | AIR | 110P | | | | | | 65 2361 | 27386000 |
| HYDRAULIC-PRESSURE INDICATORS. | HYDRAULIC-POWER.707.331B | AIR | 140P | | | | | | 66 2361 | 27388000 |
| HYDRAULIC-PRESSURE INDICATORS. | HYDRAULIC-POWER.707.331 | AIR | 170P | | | | | | 65 2361 | 27390000 |
| HYDRAULIC-PRESSURE INDICATORS. | HYDRAULIC-POWER.707.331 | AIR | 560P | | | | | | 66 2361 | 27392000 |
| HYDRAULIC-PRESSURE INDICATORS. | HYDRAULIC-POWER.707.331 | AIR | 1140P | | | | | | 66 2361 | 27394000 |
| HYDRAULIC-PRESSURE INDICATORS. | NAVIGATION.707-331 | AIR | 929.054 | 1401.87 | | | | .01184 | 66 2132 | 27396000 |
| MASTER-HEADING-DEVIATION INDICATORS. | NAVIGATION.707-331 | AIR | 260P | | | | | | 65 2361 | 27398000 |
| MASTER-TRUE-AIRSPEED INDICATORS. | NAVIGATION.707-331 | AIR | 260P | | | | | | 66 2361 | 27400000 |
| MASTER-TRUE-AIRSPEED INDICATORS. | NAVIGATION.707-331 | AIR | 280P | | | | | | 66 2361 | 27402000 |
| MASTER-TRUE-AIRSPEED INDICATORS. | NAVIGATION.707-331B | AIR | 420P | | | | | | 66 2361 | 27404000 |
| MASTER-TRUE-AIRSPEED INDICATORS. | NAVIGATION.707-131 | AIR | 460P | | | | | | 66 2361 | 27406000 |
| MASTER-TRUE-AIRSPEED INDICATORS. | NAVIGATION.707-131 | AIR | 520P | | | | | | 65 2361 | 27408000 |
| MASTER-TRUE-AIRSPEED INDICATORS. | NAVIGATION.707-331B | AIR | 550P | | | | | | 66 2361 | 27410000 |
| MASTER-TRUE-AIRSPEED INDICATORS. | NAVIGATION.707-131B | AIR | 930P | | | | | | 65 2361 | 27412000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1949

PART CLASS 427 INSTRUMENTS

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | YR OF DATA | CROSS INDEX RPT SPEC REF NO |
|---|---------------------------|-------------|--------------|---------------------|-----------------|------------|-----------------------------|
| .40 INDICATING AND MEASURING | | | | | | | |
| INDICATORS. | NAVIGATION.707-1318 | AIR | 1190P | | 66 2361 | 27414000 | |
| MASTER-TRUE-AIR-SPEED INDICATORS. | NAVIGATION.707-1318 | AIR | 1490P | | 66 2361 | 27416000 | |
| MASTER-TRUE-AIR-SPEED INDICATORS. | | AIR | 422.589 | 637.654 | .02603 | 66 2153 | 27418000 |
| PICTORIAL-DEVIATION INDICATORS. | ENGINE-INDICATING.707-131 | AIR | 740P | | 66 2361 | 27420000 | |
| PRESSURE-RATIO-SYNC INDICATORS. | ENGINE-INDICATING.707-331 | AIR | 970P | | 66 2361 | 27422000 | |
| PRESSURE-RATIO-SYNC INDICATORS. | ENGINE-INDICATING.707-131 | AIR | 1240P | | 65 2361 | 27424000 | |
| PRESSURE-RATIO-SYNC INDICATORS. | ENGINE-INDICATING.707-131 | AIR | 1280P | | 66 2361 | 27426000 | |
| PRESSURE-RATIO-SYNC INDICATORS. | ENGINE-INDICATING.707-331 | AIR | 1290P | | 65 2361 | 27428000 | |
| PRESSURE-RATIO-SYNC INDICATORS. | ENGINE-INDICATING.707-331 | AIR | 1510P | | 66 2361 | 27430000 | |
| INDICATORS. | | AIR | 1200 | 1357.25 | .095 | 63 2130 | 27432000 |
| TAILPIPE-TEMPERATURE INDICATORS. | | AIR | 3516.72 | 3622.75 | .538 | 63 2112 | 27434000 |
| TAILPIPE-TEMPERATURE TORQUEMETER-SYSTEM INDICATORS. | ENGINE-INSTRUMENTATION | HELI | 57.8034 | 153.823 | .0346 | 66 1257 | 27436000 |
| TORQUEMETER-SYSTEM INDICATORS. | ENGINE-INSTRUMENTATION | HELI | 185.185 | 720.314 | .0054 | 66 1257 | 27438000 |
| INDICATORS. | NAVIGATION.707-3318 | AIR | 280P | | 66 2361 | 27440000 | |
| TOTAL-AIR-TEMPERATURE INDICATORS. | NAVIGATION.707-331 | AIR | 420P | | 66 2361 | 27442000 | |
| TOTAL-AIR-TEMPERATURE INDICATORS. | NAVIGATION.707-331 | AIR | 680P | | 65 2361 | 27444000 | |
| TOTAL-AIR-TEMPERATURE INDICATORS. | NAVIGATION.707-131 | AIR | 690P | | 66 2361 | 27446000 | |
| TOTAL-AIR-TEMPERATURE INDICATORS. | NAVIGATION.707-131 | AIR | 800P | | 65 2361 | 27448000 | |
| TOTAL-AIR-TEMPERATURE INDICATORS. | NAVIGATION.707-131 | AIR | 960P | | 66 2361 | 27450000 | |
| UTILITY-HYDRAULIC INDICATORS. | HYDRAULIC-POWER.707-1318 | AIR | 120P | | 66 2361 | 27452000 | |
| UTILITY-HYDRAULIC INDICATORS. | HYDRAULIC-POWER.707-1318 | AIR | 120P | | 66 2361 | 27454000 | |
| UTILITY-HYDRAULIC INDICATORS. | HYDRAULIC-POWER.707-1318 | AIR | 130P | | 65 2361 | 27456000 | |
| UTILITY-HYDRAULIC INDICATORS. | HYDRAULIC-POWER.707-131 | AIR | 230P | | 66 2361 | 27458000 | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | 90 CONF LIMIT | PART POPULATION | PAKTS | YR | CROSS |
|---------------------------|-----------------|------------------------------------|-------------|--------------|---------------|-----------------|--------|----------|----------------|
| PART DESCRIPTION | | | | | | | HOURS | RPT SRCE | INDEX |
| INDICATORS. | | | | | | | | | |
| UTILITY-HYDRAULIC | | HYDRAULIC-POWER-707-331 | AIR | 510P | | | | 65 | 2361 27460000 |
| INDICATORS. | | HYDRAULIC-POWER-707-331 | AIR | 790P | | | | 66 | 2361 27462000 |
| INDICATORS. | | HYDRAULIC-POWER-707-331 | AIR | 1110P | | | | 66 | 2361 27464000 |
| INDICATORS. | | WATER-INJECTION-707-331B | AIR | 140P | | | | 66 | 2361 27466000 |
| WATER-QUANTITY-373C | | | | | | | | | |
| INDICATORS-AIR SPEED | | FLIGHT-INSTRUMENTATION | HELI | 79.0513 | 210.367 | 80 | .0253 | 66 | 1257 27468000 |
| INDICATORS-AIR SPEED | | PITOT-STATIC-SYSTEM-FLIGHT-INST | AIR | 112.054 | 152.763 | 100 | .16056 | 53 | 1193 27470000 |
| INDICATORS-AIR SPEED | | PITOT-STATIC-SYSTEM-FLIGHT-INST | AIR | 120.305 | 159.022 | 200 | .23274 | 55 | 1190 27472000 |
| INDICATORS-AIR SPEED | | PITOT-STATIC-SYSTEM-FLIGHT-INST | AIR | 121.805 | 166.149 | 100 | .140 | 63 | 1114 27474000 |
| INDICATORS-AIR SPEED | | NAVIGATION-707-331B | AIR | 140P | | | | 66 | 2361 27476000 |
| INDICATORS-AIR SPEED | | NAVIGATION-707-331B | AIR | 140P | | | | 66 | 2361 27478000 |
| INDICATORS-AIR SPEED | | FLIGHT-INSTRUMENTATION | HELI | 144.508 | 222.632 | 80 | .0692 | 66 | 1257 27480000 |
| INDICATORS-AIR SPEED | | STANDBY-FLIGHT-INSTRUMENTATION | AIR | 161.812 | 323.263 | 40 | .02472 | 65 | 1227 27482000 |
| INDICATORS-AIR SPEED | | FLIGHT-INSTRUMENTATION | HELI | 220.588 | 491.235 | 40 | .0136 | 65 | 1257 27484000 |
| INDICATORS-AIR SPEED | | NAVIGATION-707-131B | AIR | 240P | | | | 66 | 2361 27486000 |
| INDICATORS-AIR SPEED | | PITOT-STATIC-SYSTEM-FLIGHT-INST | AIR | 244.18 | 2-9.352 | 204 | .176 | 63 | 1114 27488000 |
| INDICATORS-AIR SPEED | | PITOT-STATIC-SYSTEM-FLIGHT-INST | AIR | 248.207 | 293.268 | 100 | .25382 | 65 | 1198 27490000 |
| INDICATORS-AIR SPEED | | NAVIGATION-707-131B | AIR | 400P | | | | 66 | 2361 27492000 |
| INDICATORS-AIR SPEED | | INSTRUMENT-SYSTEM | AIR | 432.833 | 464.027 | 126 | .21597 | 65 | 1155 27494000 |
| INDICATORS-AIR SPEED | | STANDBY-INTEGRATED-INST-SYSTEM | SIM GRD AIR | 4-6.25 | 552.435 | 139 | .032 | 63 | 1117 27496000 |
| INDICATORS-AIR SPEED | | NAVIGATION-707-131B | AIR | 460P | | | | 66 | 2361 27498000 |
| INDICATORS-AIR SPEED | | | AIR | 500 | | | | 61 | 1082 27500000 |
| INDICATORS-AIR SPEED | | | AIR | 509.202 | 588.582 | | .143 | 61 | 1083 27502000 |
| INDICATORS-AIR SPEED | | | AIR | 526.315 | 624.532 | | .114 | 61 | 1084 27504000 |
| INDICATORS-AIR SPEED | | FLIGHT-INSTRUMENTATION | HELI | 645.161 | 1064.87 | 40 | .01085 | 66 | 1257 27506000 |
| INDICATORS-AIR SPEED | | | AIR | 888.888 | 1443.85 | 32 | .004 | 59 | 1110 27508000 |
| INDICATORS-AIR SPEED | | | AIR | 970.358 | 1010.64 | 1194 | 1.0357 | 57 | 1272 27510000A |
| INDICATORS-AIR SPEED | | | AIR | 992.753 | 1111.52 | | .138 | 59 | 1070 27512000 |
| INDICATORS-AIR SPEED | | | AIR | 2252.63 | 2463.97 | | .095 | 63 | 2130 27514000 |
| INDICATORS-AIR SPEED | | | AIR | 3044.6 | 3143.32 | | .538 | 63 | 2112 27516000 |
| INDICATORS-AIR SPEED | | INTEG-FLT-NAV-MACHMETER | AIR | 6761.9 | 7305.86 | 302 | .042 | 61 | 1080 27518000 |
| INDICATORS-AIR SPEED | | | AIR | 1681.81 | 2794.68 | 92 | .022 | 61 | 1080 27520000 |
| MACHMETER | | | | | | | | | |
| INDICATORS-AIR SPEED-MACH | | CACC-SYSTEM-FLIGHT-INSTRUMENTATION | AIR | 1193.35 | 1418.21 | 96 | .04944 | 65 | 1227 27522000 |
| INDICATORS-AIR SPEED-MACH | | | AIR | 818.889 | 907.364 | | .19905 | 66 | 1241 27524000 |
| INDICATORS-AIR SPEED-MACH | | | AIR | 935.432 | 1036.16 | 812 | .17532 | 64 | 1179 27526000 |
| INDICATORS-AIR SPEED-MACH | | | AIR | 1155.15 | 1251.7 | 946 | .22854 | 65 | 1228 27528000 |
| INDICATORS-AIR SPEED-MACH | | | AIR | 4307.56 | 4703.99 | | .04568 | 63 | 1123 27530000 |

ARMED AIR DEVELOPMENT CENTER, GRIFF SS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | HOURS | YR OF DATA | CROSS INDEX |
|--|-----------------|------------------------|-------------|--------------|---------------------|-------------|-------|------------|----------------|
| PART DESCRIPTION | | | | | | | | | |
| .40 INDICATING AND MEASURING | | | | | | | | | |
| INDICATORS-AIRSPEED-MACHINE CADG-SYSTEM-FLIGHT-INSTRUMENTATION | AIR | 1410.16 | 1593.22 | 152 | -0.0226 | | | 66 | 1250 27532000 |
| INDICATORS-AIRSPEED-MACH-ALL-ON-AND-MACH | SIM GRD AIR * | | 71.9562 | 139 | .032 | | | 63 | 1117 27534000 |
| INDICATORS-AIRSPEED-MACH-ALL-ON/MACH | SIM GRD AIR * | | 50.2421 | 195 | -0.04583 | | | 64 | 1181 27536000A |
| INDICATORS-AIRSPEED-MIL-I-5356 | AIR | 290 | 438.837 | 62 | -0.024 | | | 63 | 1111 27538000 |
| INDICATORS-AIRSPEED-MIL-I-5721 | HELI | 1066.66 | 1258.7 | 240 | .06 | | | 65 | 1215 27540000 |
| INDICATORS-AIRSPEED-STANDBY FLIGHT-INSTRUMENTATION | AIR | 48.6263 | 129.401 | 76 | -0.04113 | | | 66 | 1250 27542000 |
| INDICATORS-AIRSPEED-TRUE | AIR | 66.6666 | 259.313 | 68 | .015 | | | 63 | 1114 27544000 |
| INDICATORS-AIRSPEED-TRUE | AIR | 66.675 | 93.56 | 156 | .23997 | | | 66 | 1235 27546000 |
| INDICATORS-AIRSPEED-TRUE | AIR | 146.666 | 221.308 | 102 | -0.075 | | | 63 | 1114 27548000 |
| INDICATORS-AIRSPEED-TRUE | AIR | 173.351 | 231.031 | 50 | .12691 | | | 65 | 1198 27550000 |
| INDICATORS-AIRSPEED-TRUE | AIR | 189.052 | 251.957 | 100 | -0.11637 | | | 65 | 1198 27552000 |
| INDICATORS-AIRSPEED-TRUE | AIR | 266.666 | 360.601 | 50 | .075 | | | 63 | 1114 27554000 |
| INDICATORS-AIRSPEED-TRUE | AIR | 294.88 | 385.836 | 50 | -0.08478 | | | 63 | 1198 27556000 |
| INDICATORS-AIRSPEED-TRUE | AIR | 323.624 | 525.675 | 48 | .02472 | | | 65 | 1227 27558000 |
| INDICATORS-AIRSPEED-TRUE | AIR | 413.323 | 573.938 | 76 | -0.04113 | | | 66 | 1250 27560000 |
| INDICATORS-AIRSPEED-MACH-SAFE | SIM GRD AIR | 1687.5 | 2021.64 | 139 | -0.032 | | | 63 | 1117 27562000 |
| INDICATORS-AIRSPEED-MACH-SAFE | SIM GRD AIR | 2029.23 | 2326.41 | 195 | -0.04583 | | | 64 | 1181 27564000A |
| INDICATORS-AIRSPEED/GROUND-SPEED-4-DIAL-COUNTER | AIR | 3215.92 | 6316.12 | 43 | .00653 | | | 66 | 1240 27566000A |
| INDICATORS-ALTITUDE | HELI | 72.2543 | 134.027 | 80 | -0.0652 | | | 66 | 1257 27568000 |
| INDICATORS-ALTITUDE | HELI | 73.5294 | 286.007 | 40 | .0156 | | | 66 | 1257 27570000 |
| INDICATORS-ALTITUDE | AIR | 170P | | | | | | 65 | 2361 27572000 |
| INDICATORS-ALTITUDE | AIR | 230P | | | | | | 66 | 2361 27574000 |
| INDICATORS-ALTITUDE | AIR | 260P | | | | | | 65 | 2361 27576000 |
| INDICATORS-ALTITUDE | HELI | 368.663 | 736.732 | 40 | -0.01085 | | | 66 | 1257 27578000 |
| INDICATORS-ALTITUDE | AIR | 410P | | | | | | 66 | 2361 27580000 |
| INDICATORS-ALTITUDE | AIR | 490P | | | | | | 66 | 2361 27582000 |
| INDICATORS-ALTITUDE | AIR | 510P | | | | | | 65 | 2361 27584000 |
| INDICATORS-ALTITUDE | AIR | 970P | | | | | | 66 | 2361 27586000 |
| INDICATORS-ALTITUDE | AIR | 1310P | | | | | | 65 | 2361 27588000 |
| INDICATORS-ALTITUDE | AIR | 1430P | | | | | | 66 | 2361 27590000 |
| INDICATORS-ALTITUDE | AIR | 1460P | | | | | | 65 | 2361 27592000 |
| INDICATORS-ALTITUDE | AIR | 1590P | | | | | | 66 | 2361 27594000 |
| INDICATORS-ALTITUDE | AIR | 1670P | | | | | | 66 | 2361 27596000 |
| INDICATORS-ALTITUDE | AIR | 2110P | | | | | | 66 | 2361 27598000 |
| INDICATORS-ALTITUDE | AIR | 5275.77 | 6448.74 | 32 | -0.00834 | | | 66 | 1225 27600000 |
| INDICATORS-ALTITUDE | AIR | 52.0446 | 67.0631 | | .538 | | | 63 | 2112 27602000 |
| INDICATORS-ALTITUDE/DIFFERENTIAL-PRESS | AIR | 126.315 | 187.174 | | .095 | | | 63 | 2130 27604000 |
| | AIR | 65.3066 | 87.6486 | | -0.3256 | | | 65 | 1196 27606000 |

ADME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | UPPER 90 CONF LIMIT | PART POPULATION | YR OF DATA | CROSS INDEX RPT SRCE REF NO |
|---|---------------------------------------|---------------------------|--------------------|---------------|-----------------------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | ENVIRONMENT | PART HOURS | |
| .40 INDICATING AND MEASURING | | | | | |
| INDICATORS-ALTITUDE/ DIFFERENTIAL-PRESSURE | CABIN | 80.9061 | AIR | 161.681 96 | .04944 65 1227 27608000 |
| INDICATORS-ALTITUDE/ DIFFERENTIAL-PRESSURE | CABIN | 85.096 | AIR | 143.093 152 | .08226 66 1250 27610000 |
| INDICATORS-ANGLE-OF-ATTACK | FLIGHT-INSTRUMENTATION | 785.024 | AIR | 972.002 | .04968 63 1123 27612000A |
| TYPE-B2 | | | | | |
| INDICATORS-ANGLE-OF-ATTACK | | 514.492 | AIR | 601.927 | .138 59 1070 27614000 |
| INDICATORS-ANGLE-OF-ATTACK | | 514.492 | AIR SHIP GRD | 601.927 | .138 57 212 27615000 |
| INDICATORS-ANGLE-OF-ATTACK | | 1094.73 | AIR | 1245.55 | .095 63 2130 27618000 |
| INDICATORS-ANGLE-OF-ATTACK | ENGINE-INSTRUMENTATION | 1798.56 | AIR | 2553.04 32 | .00834 66 1225 27620000 |
| INDICATORS-ANGLE-OF-ATTACK | | 2027.02 | AIR | 3003.64 | .00592 66 2132 27622000 |
| INDICATORS-ANGLE-OF-ATTACK | | 2178.43 | AIR | 2282.28 | .538 63 2112 27624000 |
| INDICATORS-ANGLE-OF-ATTACK | FLIGHT-INSTRUMENTATION | 5972.43 | AIR | 7394.96 43 | .00653 66 1240 27626000 |
| INDICATORS-ANGLE-OF-ATTACK | | 1253.91 | AIR | 1396.61 | .11803 66 1241 27628000 |
| ARK-10 | | | | | |
| INDICATORS-APPROACH | VHF-NAV-AN/ARN-14-10-529/43 | 11.7952 | AIR | 45.8799 50 | .08478 63 1198 27630000 |
| INDICATORS-APPROACH | VHF-NAV-AN/ARN-14-10-48/259 | 13.3383 | AIR | 51.8626 50 | .075 63 1114 27632000 |
| INDICATORS-APPROACH | TACAN-SYSTEM-AN/ARN-21-10-525 | 35.3857 | AIR | 78.8016 50 | .08478 63 1198 27634000 |
| INDICATORS-APPROACH | TACAN-SYSTEM-AN/ARN-21-10-525 | 40 | AIR | 89.0773 50 | .075 63 1114 27636000 |
| INDICATORS-APPROACH | TACAN-SYSTEM-AN/ARN-21-10-525 | 90.909 | AIR | 147.667 102 | .088 63 1114 27638000 |
| INDICATORS-APPROACH | VHF-NAV-AN/ARN-14-10-525 | 90.509 | AIR | 147.667 102 | .088 63 1114 27640000 |
| INDICATORS-APPROACH | TACAN-SYSTEM-AN/ARN-21-10-525 | 14.5551 | AIR | 140.111 50 | .12691 65 1198 27642000 |
| INDICATORS-APPROACH | VHF-NAV-AN/ARN-14-10-525 | 141.832 | AIR | 195.069 50 | .12691 65 1198 27644000 |
| INDICATORS-APPROACH | VHF-NAV-AN/ARN-14-10-249 | 173.333 | AIR | 253.772 50 | .075 63 1114 27646000 |
| INDICATORS-APPROACH | VHF-NAV-AN/ARN-14-10-249 | 176.928 | AIR | 251.148 50 | .08478 63 1198 27648000 |
| INDICATORS-APPROACH | TACAN-SYSTEM-AN/ARN-21-10-249 | 271.29 | AIR | 359.203 50 | .08478 63 1198 27650000 |
| INDICATORS-APPROACH | TACAN-SYSTEM-AN/ARN-21-10-249 | 280 | AIR | 375.79 50 | .075 63 1114 27652000 |
| INDICATORS-ARMING | | 272.727 | AIR | 357.134 320 | .055 61 1080 27654000 |
| SELECTION-3-POSITION | | | | | |
| INDICATORS-ATTITUDE | STANDBY-ALL-ATTITUDE-REFERENCE | 32.8942 | SIM GRD AIR | 218 | .07 63 1117 27656000 |
| INDICATORS-ATTITUDE | STANDBY-ALL-ATTITUDE-REFERENCE | 121.187 | SIM GRD AIR | 212.726 195 | .04951 64 1181 27658000A |
| INDICATORS-ATTITUDE | PILOT-FLIGHT-INSTRUMENTATION | 157.853 | HELI | 420.071 40 | .01267 66 1257 27660000 |
| INDICATORS-ATTITUDE | PILOT-FLIGHT-INSTRUMENTATION | 173.41 | HELI | 304.395 40 | .0346 66 1257 27662000 |
| INDICATORS-ATTITUDE | REMOTE-FLIGHT-INSTRUMENT | 216.666 | HELI | 315.965 240 | .06 65 1215 27664000 |
| INDICATORS-ATTITUDE | COPILLOT-MASTER-REF-FLIGHT-INSTRUMENT | 227.272 | HELI | 317.33 102 | .088 63 1114 27666000 |
| INDICATORS-ATTITUDE | STANDBY-NAVIGATION-INSTRUMENT | 302.304 | AIR | 562.796 812 | .17532 64 1179 27668000 |
| INDICATORS-ATTITUDE | COPILLOT-MASTER-REF-FLIGHT-INSTRUMENT | 370.341 | AIR | 449.653 50 | .12691 65 1198 27670000 |
| INDICATORS-ATTITUDE | COPILLOT-FLIGHT-INSTRUMENTATION | 394.635 | HELI | 732.02 40 | .01257 66 1257 27672000 |
| INDICATORS-ATTITUDE | DIRECTOR-AJB-7-BOMB-COMPUTER | 512.048 | AIR | 711.027 | .0332 65 1188 27674000 |
| INDICATORS-ATTITUDE | COPILLOT-FLIGHT-INSTRUMENTATION | 520.231 | HELI | 715.5 40 | .0346 66 1257 27676000 |
| INDICATORS-ATTITUDE | DIRECTOR-REMOTE-ALL-ATT-REFERENCE | 542.857 | SIM GRD AIR | 674.096 278 | .070 65 1117 27678000 |
| INDICATORS-ATTITUDE | STANDBY-NAVIGATION-INSTRUMENT | 564.452 | AIR | 633.628 946 | .22854 65 1228 27680000 |
| INDICATORS-ATTITUDE | FLIGHT-INSTRUMENTATION | 586.51 | AIR | 843.234 62 | .02387 63 1111 27682000 |
| INDICATORS-ATTITUDE | PILOT-FLIGHT-INSTRUMENTATION | 588.235 | HELI | 1175.52 20 | .0068 65 1257 27684000A |
| INDICATORS-ATTITUDE | DIRECTOR-FLIGHT-A-T-STD | 1065.56 | AIR | 1151.62 200 | .23274 65 1198 27686000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------------------|------------------------------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|-------------|
| PART DESCRIPTION | | | | | | LATION | | APT SPACE | REF NO |
| .40 INDICATING AND MEASURING | | | | | | | | | |
| INDICATORS-ATTITUDE | DIRECTOR-REPOTE-ALL-ATT-REFERENCE | SIM GRD AIR | 1079.45 | 1284.7 | 195 | .04951 | 64 | 1181 | 27688000 |
| INDICATORS-ATTITUDE | PILOT-FLIGHT-INSTRUMENTATION | HELI | 1111.11 | 1950.38 | 20 | .0054 | 66 | 1257 | 27690000 |
| INDICATORS-ATTITUDE | DIRECTOR-FLIGHT-A-F-SIG | AIR | 1193.54 | 1486.55 | 136 | .031 | 63 | 1114 | 27692000 |
| INDICATORS-ATTITUDE | COPILOT-FLIGHT-INSTRUMENTATION | HELI | 1323.52 | 2089.11 | 20 | .0068 | 66 | 1257 | 27694000 |
| INDICATORS-ATTITUDE | FLIGHT-DIRECTOR-SYSTEM | AIR | 1337.22 | 1515.9 | 152 | .08226 | 66 | 1250 | 27696000 |
| INDICATORS-ATTITUDE | FLIGHT-DIRECTOR-SYSTEM | AIR | 1496.76 | 1745.35 | 96 | .04944 | 65 | 1227 | 27698000 |
| INDICATORS-ATTITUDE | DIRECTOR | AIR | 1531.46 | 1641.78 | 946 | .22854 | 65 | 1228 | 27700000 |
| INDICATORS-ATTITUDE | DIRECTOR | AIR | 1642.71 | 1773.83 | 812 | .17532 | 64 | 1179 | 27702000 |
| INDICATORS-ATTITUDE | COPILOT-FLIGHT-INSTRUMENTATION | HELI | 1668.66 | 2630.74 | 20 | .0054 | 66 | 1257 | 27704000 |
| INDICATORS-ATTITUDE | DIRECTOR | AIR | 1750.5 | 1804.2 | 1194 | .10357 | 67 | 1272 | 27706000 |
| INDICATORS-ATTITUDE | DIRECTOR-AJB-3A-BOMB-COMPUTER | AIR | 1868.59 | 2192.54 | | .06636 | 65 | 1188 | 27708000 |
| INDICATORS-ATTITUDE | INTEG-FLIGHT-NAVIGATION | AIR | 2222.22 | 3005.01 | 32 | .009 | 59 | 1130 | 27710000 |
| INDICATORS-ATTITUDE | DIRECTOR | AIR | 6038.46 | 6704.15 | 302 | .026 | 51 | 1080 | 27712000 |
| INDICATORS-ATTITUDE | INDICATORS-ATTITUDE-ALL | AIR | 35200 | | 43 | .00653 | 62 | 1091 | 27714000 |
| INDICATORS-ATTITUDE | FLIGHT-INSTRUMENTATION | AIR | 2450.22 | 3438.22 | | .04667 | 66 | 1240 | 27716000 |
| INDICATORS-ATTITUDE | STANDBY NAVIGATION-INSTRUMENTATION | AIR | 921.362 | 1128.9 | | .10357 | 63 | 1123 | 27718000 |
| INDICATORS-ATTITUDE | INDICATORS-ATTITUDE-TYPE- | AIR | 636.284 | 669.163 | 1194 | .019 | 67 | 1272 | 27720000 |
| INDICATORS-ATTITUDE | INDICATORS-ATTITUDE-TYPE- | AIR | 3263.15 | 3861.15 | 75 | | 61 | 1080 | 27722000 |
| .40B | | | | | | | | | |
| INDICATORS-AZIMUTH | VHF-NAV-SYSTEM-AN/ARN-14-ID-251 | AIR | 39.3979 | 73.0809 | 50 | .12691 | 65 | 1198 | 27724000 |
| INDICATORS-AZIMUTH | TACAN-SYSTEM-AN/ARN-21-ID-307 | AIR | 45.4545 | 90.9357 | 102 | .088 | 63 | 1114 | 27726000 |
| INDICATORS-AZIMUTH | VHF-NAV-SYSTEM-AN/ARN-14-ID-251 | AIR | 45.4545 | 90.9357 | 102 | .088 | 63 | 1114 | 27728000 |
| INDICATORS-AZIMUTH | VHF-NAV-SYSTEM-AN/ARN-14-ID-251 | AIR | 47.263 | 71.3162 | 200 | .23274 | 65 | 1198 | 27730000 |
| INDICATORS-AZIMUTH | TACAN-SYSTEM-AN/ARN-21-ID-307 | AIR | 47.2775 | 82.9887 | 50 | .12691 | 65 | 1198 | 27732000 |
| INDICATORS-AZIMUTH | VHF-NAV-SYSTEM-AN/ARN-14-ID-251 | AIR | 58.9761 | 109.357 | 50 | .08478 | 63 | 1198 | 27734000 |
| INDICATORS-AZIMUTH | VHF-NAV-SYSTEM-AN/ARN-14-ID-251 | AIR | 66.6666 | 123.662 | 50 | .075 | 63 | 1114 | 27736000 |
| INDICATORS-AZIMUTH | TACAN-SYSTEM-AN/ARN-21-ID-307 | AIR | 200 | 283.898 | 50 | .075 | 63 | 1114 | 27738000 |
| INDICATORS-AZIMUTH | TACAN-SYSTEM-AN/ARN-21-ID-307 | AIR | 200.518 | 278.439 | 50 | .08478 | 63 | 1198 | 27740000 |
| INDICATORS-AZIMUTH | FLIGHT-SCOPE-RADAR | SIM GRD AIR | 115.13 | 139 | | .02 | 63 | 1117 | 27742000 |
| INDICATORS-AZIMUTH | FLIGHT-SCOPE-RADAR | SIM GRD AIR | 82.9765 | 195 | | .02775 | 64 | 1181 | 27744000 |
| INDICATORS-AZIMUTH | DOHE-NAVIGATION-COMPUTER-ASB-9 | SIM AIR | 375 | 835.1 | 132 | .008 | 64 | 1139 | 27746000 |
| INDICATORS-AZIMUTH | 5-IN-BOMB-NAVIGATION-ASB-9 | AIR | 1423.78 | 1977.06 | 31 | .01194 | 63 | 1111 | 27748000 |
| INDICATORS-AZIMUTH | NAV-SYSTEM-ID-796 | AIR | 677.588 | 796.51 | 192 | .09888 | 65 | 1227 | 27750000 |
| INDICATORS-BDH | NAVIGATION-SYSTEM | AIR | 984.802 | 1091.55 | 304 | .164 | 66 | 1250 | 27752000 |
| INDICATORS-BDH-ID-798 | NAVIGATION | AIR | 916.97 | 1070.41 | | .0796 | 63 | 1123 | 27754000 |
| DISTANCE-HEADING | | | | | | | | | |
| INDICATORS-BEARING-HEADING | FLIGHT-INSTRUMENTATION | HELI | 39.5256 | 153.743 | 80 | .0253 | 66 | 1257 | 27758000 |
| INDICATORS-BEARING-HEADING | FLIGHT-INSTRUMENTATION | HELI | 187.861 | 273.958 | 80 | .0692 | 66 | 1257 | 27760000 |
| INDICATORS-BEARING-HEADING | FLIGHT-INSTRUMENTATION | HELI | 276.497 | 615.741 | 40 | .01085 | 66 | 1257 | 27762000 |
| INDICATORS-CABIN | AIR-CONDITIONING-707-131B | AIR | 110P | | | | 66 | 2361 | 27764000 |
| INDICATORS-CABIN | AIR-CONDITIONING-707-131B | AIR | 130P | | | | 65 | 2361 | 27766000 |
| INDICATORS-CABIN | AIR-CONDITIONING-707-131B | AIR | 130P | | | | 66 | 2364 | 27768000 |
| INDICATORS-CABIN | AIR-CONDITIONING-707-131B | AIR | 130P | | | | 66 | 2364 | 27768000 |

| ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. | | | | | | | | | | NONELECTRONIC PART FAILURE RATE DATA | | | | | | | | | | JANUARY 1968 | | | | | | | | | |
|---|--|------------------------------------|--|------------------------|--|------------------|--|------------|--|--------------------------------------|--|---------|--|---------------|--|-----------------|--|--|--|--------------|--|--|--|--|--|--|--|--|--|
| SECTION 1: FAILURE RATE DATA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PART CLASS | | 4-7 INSTRUMENTS | | FUNCTIONAL APPLICATION | | ENVIRONMENT RATE | | UPPER PART | | PART | | YR | | OF DATA INDEX | | RPT SRCE REF NO | | | | | | | | | | | | | |
| PART DESCRIPTION | | | | | | | | LIMIT | | LATION | | HOURS | | | | | | | | | | | | | | | | | |
| .40 INDICATING AND MEASURING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INDICATORS-CABIN | | AIR-CONDITIONING-707-131B | | AIR | | 40P | | 65 2364 | | 27770000 | | | | | | | | | | | | | | | | | | | |
| DIFFERENTIAL-PRESSURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INDICATORS-CABIN | | AIR-CONDITIONING-707-131B | | AIR | | 400P | | 65 2364 | | 27772000 | | | | | | | | | | | | | | | | | | | |
| DIFFERENTIAL-PRESSURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INDICATORS-CABIN | | AIR-CONDITIONING-707-331B | | AIR | | 420P | | 65 2364 | | 27774000 | | | | | | | | | | | | | | | | | | | |
| DIFFERENTIAL-PRESSURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INDICATORS-CABIN | | AIR-CONDITIONING-707-131B | | AIR | | 70P | | 65 2364 | | 27776000 | | | | | | | | | | | | | | | | | | | |
| RATE-OF-CLIMB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INDICATORS-CABIN | | AIR-CONDITIONING-707-331B | | AIR | | 70P | | 65 2364 | | 27778000 | | | | | | | | | | | | | | | | | | | |
| RATE-OF-CLIMB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INDICATORS-CABIN | | AIR-CONDITIONING-707-131B | | AIR | | 560P | | 65 2364 | | 27780000 | | | | | | | | | | | | | | | | | | | |
| RATE-OF-CLIMB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INDICATORS-CABIN | | AIR-CONDITIONING-707-131 | | AIR | | 230P | | 65 2364 | | 27782000 | | | | | | | | | | | | | | | | | | | |
| TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INDICATORS-CABIN-PRESSURE | | | | AIR | | 83.1578 | | 110.864 | | .095 | | 63 2130 | | 27784000 | | | | | | | | | | | | | | | |
| INDICATORS-CABIN-LOCKED | | | | AIR | | 67.4053 | | 2175.66 | | .03416 | | 63 1123 | | 27786000 | | | | | | | | | | | | | | | |
| INDICATORS-CELESTIAL-DATA | | AN/ASN-24-NAV-COMP | | AIR | | 1779.93 | | 2175.66 | | .02472 | | 65 1227 | | 27788000 | | | | | | | | | | | | | | | |
| INDICATORS-CELESTIAL-DATA | | AN/ASN-24-NAV-COMP | | AIR | | 2261.12 | | 2592.25 | | .04113 | | 64 1250 | | 27790000 | | | | | | | | | | | | | | | |
| INDICATORS-CHANNEL | | REMOTE-COMM/ID/NAV-SET | | AIR | | 228.206 | | 423.308 | | .02191 | | 66 1241 | | 27792000 | | | | | | | | | | | | | | | |
| INDICATORS-CHANNEL | | REMOTE-UNF-COM | | AIR | | 1143.82 | | 1370.31 | | .04721 | | 63 1123 | | 27794000 | | | | | | | | | | | | | | | |
| INDICATORS-CHANNEL | | ENGINE-INSTRUMENT | | AIR | | 1678.65 | | 2413.42 | | .00834 | | 66 1225 | | 27796000 | | | | | | | | | | | | | | | |
| FREQUENCY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INDICATORS-CLEARANCE-PLANE | | TOS-80MB-COMPUTER | | SIM GRD AIR | | 1045.04 | | 1349.48 | | 195 | | .02775 | | 64 1161 | | 27798000 | | | | | | | | | | | | | |
| INDICATORS-CLIMB | | | | AIR | | 115.789 | | 840.384 | | .095 | | 63 2120 | | 27800000 | | | | | | | | | | | | | | | |
| INDICATORS-CLIMB | | | | AIR | | 1806.69 | | 1883.08 | | .538 | | 63 2112 | | 27802000 | | | | | | | | | | | | | | | |
| INDICATORS-CLIMB-RATE | | CABIN-INSTRUMENT | | AIR | | 80.9061 | | 215.303 | | .02472 | | 65 1227 | | 27804000 | | | | | | | | | | | | | | | |
| INDICATORS-CLIMB-RATE | | PITOT-STATIC-SYSTEM-FLT-INSTRUMENT | | AIR | | 96.7741 | | 215.509 | | .031 | | 65 1114 | | 27806000 | | | | | | | | | | | | | | | |
| INDICATORS-CLIMB-RATE | | CABIN-INSTRUMENTATION-SYSTEM | | AIR | | 11.1111 | | 432.188 | | .009 | | 59 1110 | | 27808000 | | | | | | | | | | | | | | | |
| INDICATORS-CLIMB-RATE | | PITOT-STATIC-SYSTEM-FLT-INSTRUMENT | | AIR | | 145.878 | | 256.068 | | .04113 | | 66 1200 | | 27810000 | | | | | | | | | | | | | | | |
| INDICATORS-CLIMB-RATE | | | | AIR | | 261.343 | | 318.022 | | .176 | | 63 1114 | | 27812000 | | | | | | | | | | | | | | | |
| INDICATORS-CLIMB-RATE | | | | AIR | | 269.565 | | 342.868 | | .113 | | 61 1084 | | 27814000 | | | | | | | | | | | | | | | |
| INDICATORS-CLIMB-RATE | | | | AIR | | 429.477 | | 503.006 | | .163 | | 61 1093 | | 27816000 | | | | | | | | | | | | | | | |
| INDICATORS-CLIMB-RATE | | ENGINE-INSTRUM | | AIR | | 928.571 | | 1354.13 | | .014 | | 61 1082 | | 27818000 | | | | | | | | | | | | | | | |
| INDICATORS-CLIMB-RATE | | PITOT-STATIC-SYSTEM-FLT-INSTRUMENT | | AIR | | 2158.27 | | 2968.38 | | .00834 | | 66 1225 | | 27820000 | | | | | | | | | | | | | | | |
| INDICATORS-CLIMB-RATE | | | | AIR | | 1829.47 | | 2027.79 | | .08855 | | 63 1123 | | 27822000 | | | | | | | | | | | | | | | |
| QTY-A-AFT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INDICATORS-CLIMB-RATE | | PITOT-STATIC-SYSTEM-FLT-INSTRUMENT | | AIR | | 171.865 | | 212.211 | | 200 | | .23274 | | 65 1198 | | 27824000 | | | | | | | | | | | | | |
| QTY-STANDBY-AFT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INDICATORS-CLIMB-RATE | | INSTRUMENT-SYSTEM | | AIR | | 157.429 | | 198.006 | | 126 | | .21597 | | 65 1155 | | 27826000 | | | | | | | | | | | | | |
| QUANTITY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INDICATORS-CLIMB-RATE | | PITOT-STATIC-SYSTEM-FLT-INSTRUMENT | | AIR | | 248.207 | | 253.288 | | 100 | | .25382 | | 65 1198 | | 27828000 | | | | | | | | | | | | | |
| QUANTITY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INDICATORS-CLIMB-RATE | | PITOT-STATIC-SYSTEM-FLT-INSTRUMENT | | AIR | | 306.676 | | 369.704 | | 100 | | .16956 | | 63 1198 | | 27830000 | | | | | | | | | | | | | |
| STANDBY-FORWARD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INDICATORS-CLIMB-RATE | | PITOT-STATIC-SYSTEM-FLT-INSTRUMENT | | AIR | | 275.167 | | 338.859 | | 100 | | .149 | | 63 1114 | | 27832000 | | | | | | | | | | | | | |
| TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ENGINE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1966

| PART CLASS | 427 INSTRUMENTS | UPPER PART | 90 CONF | POPUP | PART | VR | CROSS |
|------------------------------|------------------------------------|--------------|---------|-------|--------|---------|----------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | LIMIT | LAYON | HOURS | OF DATA | INDEX |
| | | ENVIRONMENT | | | | REF | 30 |
| -40 INDICATING AND MEASURING | | | | | | | |
| INDICATORS-ELIM-RATE. | FLY/NAV-INSTRUMENT | 416.644 | 245.183 | 240 | .06 | 65 | 1213 27834000 |
| INDICATORS-CLIM-RATE. | | | | | | | |
| INDICATORS-CLIM-RATE. | | 918.836 | 1612.87 | 43 | .00653 | 66 | 1240 27836000A |
| INDICATORS-CLIM-RATE. | | | | | | | |
| INDICATORS-CLIM-RATE. | ENGINE-INSTRUMENT | 147.058 | 572.014 | 20 | .0068 | 66 | 1257 21338000 |
| INDICATORS-CLIM-RATE. | ENGINE-INSTRUMENT | 375.722 | 547.917 | 40 | .0346 | 66 | 1257 27840000 |
| INDICATORS-CLIM-RATE. | ENGINE-INSTRUMENTATION | 1737.36 | 2228.78 | 84 | .01669 | 66 | 1223 27842000 |
| INDICATORS-CLIM-RATE. | | | | | | | |
| INDICATORS-CLIM-RATE. | AIR-CONDITIONING-707-1318 | 110P | | | | 66 | 2361 27844000 |
| INDICATORS-CLIM-RATE. | AIR-CONDITIONING-707-1318 | 130P | | | | 65 | 2361 27846000 |
| INDICATORS-CLIM-RATE. | AIR-CONDITIONING-707-1318 | 818.181 | 1125.28 | 92 | .022 | 61 | 1080 27848000 |
| INDICATORS-CLIM-RATE. | | | | | | | |
| INDICATORS-CLIM-RATE. | AIR | 2312.36 | 3208.96 | 31 | .01194 | 63 | 1111 27850000 |
| INDICATORS-CLIM-RATE. | | | | | | | |
| INDICATORS-CLIM-RATE. | ELECTRICAL-POWER-707-3318 | 50P | | | | 66 | 2364 27852000 |
| INDICATORS-CLIM-RATE. | ELECTRICAL-POWER-707-131 | 60P | | | | 66 | 2364 27854000 |
| INDICATORS-CLIM-RATE. | ELECTRICAL-POWER-707-1318 | 70P | | | | 65 | 2364 27856000 |
| INDICATORS-CLIM-RATE. | ELECTRICAL-POWER-707-1318 | 70P | | | | 66 | 2364 27858000 |
| INDICATORS-CLIM-RATE. | ELECTRICAL-POWER-707-1318 | 70P | | | | 66 | 2364 27860000 |
| INDICATORS-CLIM-RATE. | ELECTRICAL-POWER-707-131 | 140P | | | | 65 | 2364 27862000 |
| INDICATORS-CLIM-RATE. | ELECTRICAL-POWER-707-331 | 170P | | | | 66 | 2364 27864000 |
| INDICATORS-CLIM-RATE. | ELECTRICAL-POWER-707-331 | 230P | | | | 65 | 2364 27866000 |
| INDICATORS-CLIM-RATE. | ELECTRICAL-POWER-707-331 | 630P | | | | 66 | 2364 27868000 |
| INDICATORS-CLIM-RATE. | TRANSMITTER-ALT-68 | 77.7884 | 113.429 | 434 | .16712 | 63 | 1111 27870000 |
| INDICATORS-CLIM-RATE. | DBPLER-NAVIGATION-SYSTEM | 2729.52 | 3445.32 | 195 | .01205 | 64 | 1181 27872000A |
| INDICATORS-CLIM-RATE. | AN/ASN-24-NAVIGATION-COMPUTER | 24.3131 | 94.5768 | 76 | .04113 | 66 | 1250 27874000 |
| INDICATORS-CLIM-RATE. | AN/ASN-24-NAVIGATION-COMPUTER | 316.07 | 460.927 | 76 | .04113 | 66 | 1250 27876000 |
| INDICATORS-CLIM-RATE. | TACAN-AN/ARN-21-CU-395 | 18.1435 | 50 | | .12691 | 63 | 1128 27878000 |
| INDICATORS-CLIM-RATE. | TACAN-SYSTEM-AN/ARN-21-16181 | 133.333 | 354.82 | 68 | .015 | 63 | 1114 27880000 |
| INDICATORS-CLIM-RATE. | AN/ARN-21-UHF-NAVIGATION-SYSTEM | 262.046 | 360.406 | 48 | .08859 | 64 | 1762 27882000 |
| INDICATORS-CLIM-RATE. | AN/ARN-21-UHF-NAVIGATION-SET | 1327.24 | 1572.69 | 63 | .04196 | 64 | 1155 27884000 |
| INDICATORS-CLIM-RATE. | VHF-NAV-SYSTEM-AN/ARN-14-ID-250 | 10.7526 | 41.8247 | 409 | .093 | 63 | 1114 27886000 |
| INDICATORS-CLIM-RATE. | VHF-NAV-SYSTEM-AN/ARN-14-ID-250 | 18.3862 | 30.9174 | 150 | .38072 | 63 | 1198 27888000 |
| INDICATORS-CLIM-RATE. | VHF-NAV-SYSTEM-AN/ARN-14-ID-250 | 18.8679 | 34.5988 | 306 | .285 | 63 | 1114 27890000 |
| INDICATORS-CLIM-RATE. | VHF-NAV-SYSTEM-AN/ARN-14-ID-250 | 25.7794 | 35.4557 | 600 | .69823 | 65 | 1198 27892000 |
| INDICATORS-CLIM-RATE. | OMNI-SYSTEM-FLIGHT-INSTRUMENTATION | 28.9017 | 74.9114 | 40 | .0692 | 66 | 1257 27894000 |

JANUARY 1968

NOMELECTRONIC PART FAILURE RATE DATA

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

SECTION I FAILURE RATE DATA

| PART CLASS | 427 INSTRUMENTS | UPPER LIMIT | PAIT | 90 CONF | PERCENT | PART | OF DATA | CROSS |
|-----------------------------|-----------------------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | ENVIRONMENT | ENVIRONMENT | ENVIRONMENT | ENVIRONMENT | ENVIRONMENT | ENVIRONMENT |
| 40 INDICATING AND MEASURING | | | | | | | | |
| INDICATORS, COURSE | RADIO-COMPASS, AN/ARN-6, ID-250 | 39.3975 | 60.5991 | 100 | 25382 | 65 | 1198 | 27895000 |
| INDICATORS, COURSE | TACAN-SYSTEM, AN/ARN-21, ID-250 | 40.2684 | 70.6832 | 100 | 149 | 63 | 1114 | 27898000 |
| INDICATORS, COURSE | VHF-NAV-SYSTEM, AN/ARN-6, ID-250 | 45.4545 | 73.8335 | 204 | 176 | 63 | 1114 | 27902000 |
| INDICATORS, COURSE | VHF-NAV-SYSTEM, AN/ARN-14, ID-250 | 47.1809 | 69.9125 | 150 | 25434 | 63 | 1198 | 27902000 |
| INDICATORS, COURSE | TACAN-SYSTEM, AN/ARN-21, ID-250 | 53.0785 | 83.7815 | 100 | 14956 | 63 | 1198 | 27904000 |
| INDICATORS, COURSE | VHF-NAV-SYSTEM, AN/ARN-14, ID-250 | 53.3333 | 79.0291 | 150 | 225 | 63 | 1114 | 27906000 |
| INDICATORS, COURSE | TACAN-SYSTEM, AN/ARN-21, ID-250 | 56.8181 | 87.5377 | 204 | 176 | 63 | 1114 | 27908000 |
| INDICATORS, COURSE | TACAN-SYSTEM, AN/ARN-21, ID-250 | 63.0367 | 88.4148 | 100 | 25382 | 65 | 1198 | 27910000 |
| INDICATORS, COURSE | RADIO-COMPASS, AN/ARN-6, ID-250 | 106.157 | 146.003 | 100 | 16956 | 63 | 1198 | 27912000 |
| INDICATORS, COURSE | RADIO-COMPASS, AN/ARN-6, ID-250 | 107.382 | 150.681 | 100 | 149 | 63 | 1114 | 27914000 |
| INDICATORS, COURSE | INSTRUMENT-SYSTEM | 171.32 | 213.377 | 126 | 21557 | 65 | 1155 | 27916000 |
| INDICATORS, COURSE | BDHL, INSTRUMENT-SYSTEM | 180.58 | 223.591 | 126 | 21597 | 65 | 1155 | 27918000 |
| INDICATORS, COURSE | INTEGRATED-FLIGHT-DIRECTOR | 250 | 356.732 | 75 | 012 | 61 | 1050 | 27920000 |
| INDICATORS, COURSE | FLIGHT-DIRECTOR-SYSTEM, MA-1 | 386.617 | 423.286 | 50 | 538 | 63 | 1112 | 27924000 |
| INDICATORS, COURSE | FLIGHT-DIRECTOR-SYSTEM, MA-1 | 416.666 | 772.891 | 50 | 012 | 63 | 1198 | 27926000 |
| INDICATORS, COURSE | FLIGHT-DIRECTOR-SYSTEM, MA-1 | 447.761 | 785.977 | 50 | 0134 | 63 | 1114 | 27928000 |
| INDICATORS, COURSE | FLIGHT-DIRECTOR-SYSTEM, MA-1 | 560 | 611.134 | 102 | 088 | 65 | 1198 | 27930000 |
| INDICATORS, COURSE | FLIGHT-DIRECTOR-SYSTEM, MA-1 | 551.571 | 646.348 | 50 | 12691 | 65 | 1198 | 27932000 |
| INDICATORS, COURSE | TACAN-SYSTEM | 800 | 93.926 | 50 | 095 | 63 | 1123 | 27934000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 1344.05 | 1526.36 | 50 | 07961 | 63 | 1198 | 27936000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 267.081 | 635.311 | 50 | 01045 | 63 | 1114 | 27938000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 335.333 | 742.311 | 50 | 009 | 66 | 2364 | 27940000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 130P | 190P | 50 | 009 | 66 | 2364 | 27942000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 444.083 | 671.446 | 48 | 02472 | 65 | 1227 | 27944000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 461.949 | 629.772 | 76 | 04113 | 66 | 1230 | 27946000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 22302.1 | 24547.3 | 32 | 00834 | 66 | 1225 | 27948000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 4371.74 | 4489.13 | 31 | 538 | 63 | 1112 | 27950000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 302.5123 | 882.0853 | 31 | 011943 | 63 | 1111 | 27952000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 222.691 | 335.723 | 96 | 04944 | 65 | 1227 | 27954000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 303.914 | 397.656 | 152 | 08226 | 65 | 1250 | 27956000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | * | 110.224 | 10 | 05059 | 63 | 1198 | 27958000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 18.5185 | 72.0314 | 100 | 054 | 59 | 1070 | 27960000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 23.6367 | 41.4943 | 100 | 25392 | 63 | 1198 | 27962000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 32.258 | 125.474 | 136 | 031 | 63 | 1114 | 27964000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 68.7462 | 96.4654 | 200 | 23274 | 65 | 1198 | 27966000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 121.359 | 270.258 | 48 | 02472 | 65 | 1227 | 27968000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 40 | 998.847 | 1299.9 | 02603 | 66 | 2380 | 27970000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 70P | 180P | 50 | 02603 | 66 | 2380 | 27972000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 230P | 280P | 50 | 02603 | 66 | 2380 | 27974000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 330P | 380P | 50 | 02603 | 66 | 2380 | 27976000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 440P | 540P | 50 | 02603 | 66 | 2380 | 27978000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 550P | 650P | 50 | 02603 | 66 | 2380 | 27980000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 660P | 760P | 50 | 02603 | 66 | 2380 | 27982000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 770P | 870P | 50 | 02603 | 66 | 2380 | 27984000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 880P | 980P | 50 | 02603 | 66 | 2380 | 27986000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 990P | 1090P | 50 | 02603 | 66 | 2380 | 27988000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 1100P | 1200P | 50 | 02603 | 66 | 2380 | 27990000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 1210P | 1310P | 50 | 02603 | 66 | 2380 | 27992000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 1320P | 1420P | 50 | 02603 | 66 | 2380 | 27994000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 1430P | 1530P | 50 | 02603 | 66 | 2380 | 27996000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 1540P | 1640P | 50 | 02603 | 66 | 2380 | 27998000 |
| INDICATORS, COURSE | FLIGHT-TRACK-NAY | 1650P | 1750P | 50 | 02603 | 66 | 2380 | 28000000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 427 INSTRUMENTS

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LOCATION | YR OF DATA INDEX | CROSS RPT SCEE REF NO |
|------------------------------|------------------------------|-------------|--------------|---------------------|---------------|------------------|-----------------------|
| -40 INDICATING AND MEASURING | | | | | | | |
| INDICATORS-DME-DUAL | NAVIGATION-707-131 | AIR | 340P | | | 66 2361 | 27984000 |
| INDICATORS-DME-DUAL | NAVIGATION-707-331B | AIR | 340P | | | 65 2361 | 27986000 |
| INDICATORS-DME-DUAL | NAVIGATION-707-331 | AIR | 420P | | | 66 2361 | 27988000 |
| INDICATORS-DME-DUAL | NAVIGATION-707-131B | AIR | 930P | | | 65 2361 | 27990000 |
| INDICATORS-DOPPLER | NAVIGATION-707-131 | AIR | 2090 | | | 65 2361 | 27992000 |
| INDICATORS-DOPPLER | NAVIGATION-707-331B | AIR | 170P | | | 65 2361 | 27994000 |
| INDICATORS-DOPPLER | NAVIGATION-707-331 | AIR | 210P | | | 66 2361 | 27996000 |
| INDICATORS-DOPPLER | NAVIGATION-707-331 | AIR | 260P | | | 66 2361 | 27998000 |
| INDICATORS-DOPPLER | NAVIGATION-707-331B | AIR | 260P | | | 65 2361 | 28000000 |
| INDICATORS-DOPPLER | NAVIGATION-707-331B | AIR | 350P | | | 66 2361 | 28002000 |
| INDICATORS-DRIPT-ANGLE | DOPPLER-RADAR-SET-APN-89 | AIR | * | 192.847 31 | | 65 1111 | 28004000 |
| INDICATORS-DRIPT-ANGLE | DOPPLER-NAVIGATION-SYSTEM | SIM GRD AIR | 1075.26 | 1508.05 195 | | 64 1181 | 28006000 |
| INDICATORS-DROOP-WARNING | DOPPLER-NAVIGATION-SYSTEM | SIM GRD AIR | 1125 | 1775.75 139 | | 63 1117 | 28008000 |
| INDICATORS-ELAPSED-TIME | WINGS/WHEELS | AIR | 62.0061 | 116.501 | | 63 1123 | 28010000 |
| INDICATORS-ELAPSED-TIME | | LAB | * | 2398.54 4 | | 61 1273 | 28012000A |
| INDICATORS-ELAPSED-TIME | | GRD | * | 6.83264 | | 65 1204 | 28014000 |
| INDICATORS-ELAPSED-TIME | | LAB | * | 3.61475 | | 65 1204 | 28016000 |
| INDICATORS-ELAPSED-TIME | | GRD | * | 669476 | | 63 204 | 28018000 |
| INDICATORS-ELAPSED-TIME | | LAB | * | 1934.95 5 | | 61 1273 | 28020000 |
| INDICATORS-ELAPSED-TIME | COMPUTER-AS89 | AIR | 93.752 | 325.77 31 | | 63 1111 | 28022000 |
| COMPUTER | | | | | | | |
| INDICATORS-ELEVATION/RANGE | SEARCH-RADAR-ASE-15 | AIR | 438.86 | 5327.09 31 | | 63 1111 | 28024000 |
| INDICATORS-ENGINE | OIL-707-131B | AIR | 280P | | | 65 2362 | 28026000 |
| INDICATORS-ENGINE-VIBRATION | ENGINE-INDICATING-707-131B | AIR | 30P | | | 66 2361 | 28028000 |
| INDICATORS-ENGINE-VIBRATION | ENGINE-INDICATING-707-131B | AIR | 30P | | | 55 2361 | 28030000 |
| INDICATORS-ENGINE-VIBRATION | ENGINE-INDICATING-707-131B | AIR | 60P | | | 66 2361 | 28032000 |
| INDICATORS-ENGINE-VIBRATION | ENGINE-INDICATING-707-331 | AIR | 70P | | | 66 2361 | 28034000 |
| INDICATORS-ENGINE-VIBRATION | ENGINE-INDICATING-707-331B | AIR | 80P | | | 65 2361 | 28036000 |
| INDICATORS-FLIGHT | SEARCH-RADAR | AIR | 25842.6 | 30304.6 36 | | 66 1256 | 28038000A |
| SEARCH/ATTACK | | | | | | | |
| INDICATORS-FLIGHT-CORRANG | RGB-NAVIGATION-COMPUTER-AS89 | AIR | 335.008 | 669.476 31 | | 63 1111 | 28040000 |
| INDICATORS-FLIGHT-PATH | NAVIGATION-707-331B | AIR | 420P | | | 65 2361 | 28042000 |
| INDICATORS-FLIGHT-PATH | NAVIGATION-707-331 | AIR | 510P | | | 65 2361 | 28044000 |
| INDICATORS-FLIGHT-PATH | NAVIGATION-707-131B | AIR | 730P | | | 65 2361 | 28046000 |
| INDICATORS-FLIGHT-PATH | NAVIGATION-707-331B | AIR | 850P | | | 65 2361 | 28048000 |
| INDICATORS-FLIGHT-PATH | NAVIGATION-707-131 | AIR | 910P | | | 65 2361 | 28050000 |
| INDICATORS-FLIGHT-PATH | NAVIGATION-707-131B | AIR | 920P | | | 66 2361 | 28052000 |
| INDICATORS-FLIGHT-PATH | NAVIGATION-707-331B | AIR | 960P | | | 66 2361 | 28054000 |
| INDICATORS-FLIGHT-PATH | NAVIGATION-707-131 | AIR | 1260P | | | 66 2361 | 28056000 |
| INDICATORS-FLIGHT-PATH | NAVIGATION-707-331 | AIR | 1480P | | | 66 2361 | 28058000 |
| INDICATORS-FLIGHT-PATH | NAVIGATION-707-131 | AIR | 2510P | | | 66 2361 | 28060000 |
| INDICATORS-FUEL-FLOW | ENGINE-INSTRUMENTATION | AIR | 48.387 | 107.754 272 | | 66 2361 | 28062000 |
| INDICATORS-FUEL-FLOW | ENGINE-INSTRUMENTATION | AIR | 82.7374 | 131.626 200 | | 63 1114 | 28064000 |
| INDICATORS-FUEL-FLOW | ENGINE-INSTRUMENTATION | AIR | 84.9858 | 108.541 408 | | 63 1114 | 28066000 |

JANUARY 1968

NONELECTRONIC PART FAILURE RATE DATA

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

SECTION I FAILURE RATE DATA

PART CLASS 427 INSTRUMENTS

YR CRSS

OF DATA INDEX

RPT SRCE REF NO

PART

P6PU-

LATION

HOURS

LIMIT

50 CRF

UPPER

FAILURE

RATE

ENVIRONMENT

FUNCTIONAL APPLICATION

PART DESCRIPTION

.40 INDICATING AND MEASURING

| | | | | | | | |
|-----------------------|-----|---------|---------|--------|----|------|-----------|
| INDICATORS, FUEL-FLOW | AIR | 93.3333 | 156.545 | .075 | 59 | 1070 | 28070000 |
| INDICATORS, FUEL-FLOW | AIR | 100.571 | 132.594 | .46548 | 65 | 1198 | 28073000 |
| INDICATORS, FUEL-FLOW | AIR | 103.208 | 129.368 | .33512 | 63 | 1198 | 28074000 |
| INDICATORS, FUEL-FLOW | AIR | 113.712 | 143.021 | .299 | 63 | 1114 | 28076000 |
| INDICATORS, FUEL-FLOW | AIR | 120P | | | 65 | 2360 | 28078000 |
| INDICATORS, FUEL-FLOW | AIR | 126.315 | 187.174 | .095 | 63 | 2130 | 28080000 |
| INDICATORS, FUEL-FLOW | AIR | 130P | | | 65 | 2361 | 28082000 |
| INDICATORS, FUEL-FLOW | AIR | 177.49 | 246.461 | .05570 | 66 | 1291 | 28084000 |
| INDICATORS, FUEL-FLOW | AIR | 200 | 777.94 | .005 | 59 | 1110 | 28086000 |
| INDICATORS, FUEL-FLOW | AIR | 200P | | | 66 | 2361 | 28088000 |
| INDICATORS, FUEL-FLOW | AIR | 220P | | | 66 | 2361 | 28090000 |
| INDICATORS, FUEL-FLOW | AIR | 230P | | | 66 | 2361 | 28092000 |
| INDICATORS, FUEL-FLOW | AIR | 240P | | | 66 | 2361 | 28094000 |
| INDICATORS, FUEL-FLOW | AIR | 249.409 | 282.093 | .45708 | 65 | 1228 | 28096000 |
| INDICATORS, FUEL-FLOW | AIR | 281.25 | 386.817 | .064 | 61 | 1080 | 28098000 |
| INDICATORS, FUEL-FLOW | AIR | 290.896 | 331.398 | .35064 | 64 | 1179 | 28100000 |
| INDICATORS, FUEL-FLOW | AIR | 400P | | | 66 | 2360 | 28102000 |
| INDICATORS, FUEL-FLOW | AIR | 420P | | | 66 | 2360 | 28104000 |
| INDICATORS, FUEL-FLOW | AIR | 420P | | | 65 | 2361 | 28106000 |
| INDICATORS, FUEL-FLOW | AIR | 500P | | | 65 | 2361 | 28108000 |
| INDICATORS, FUEL-FLOW | AIR | 502.973 | 854.755 | .531 | 63 | 2112 | 28110000 |
| INDICATORS, FUEL-FLOW | AIR | 1112.45 | 1330.48 | .04944 | 65 | 1227 | 28112000 |
| INDICATORS, FUEL-FLOW | AIR | 1180P | | | 66 | 2361 | 28114000 |
| INDICATORS, FUEL-FLOW | AIR | 1290P | | | 65 | 2361 | 28116000 |
| INDICATORS, FUEL-FLOW | AIR | 1495.25 | 1683.29 | .08226 | 66 | 1250 | 28118000 |
| INDICATORS, FUEL-FLOW | AIR | 3237.41 | 4191.75 | .00834 | 66 | 1225 | 28120000 |
| INDICATORS, FUEL-FLOW | AIR | 80.499 | 160.808 | .04969 | 63 | 1123 | 28122000A |
| INDICATORS, FUEL-FLOW | AIR | 1837.67 | 2723.05 | .00653 | 66 | 1240 | 28124000A |
| INDICATORS, FUEL-FLOW | AIR | 94.7368 | 149.536 | .095 | 63 | 1111 | 28126000 |
| INDICATORS, FUEL-FLOW | AIR | 500 | 577.675 | .012 | 63 | 1111 | 28128000 |
| INDICATORS, FUEL-FLOW | AIR | 17.1865 | 45.736 | .11637 | 65 | 1198 | 28130000 |
| INDICATORS, FUEL-FLOW | AIR | 483.604 | 595.541 | .09478 | 63 | 1198 | 28132000 |
| INDICATORS, FUEL-FLOW | AIR | 520.053 | 612.091 | .12631 | 65 | 1198 | 28134000 |
| INDICATORS, FUEL-FLOW | AIR | 546.666 | 673.2 | .075 | 63 | 1114 | 28136000 |
| INDICATORS, FUEL-FLOW | AIR | 590.909 | 710.426 | .088 | 63 | 1114 | 28138000 |
| INDICATORS, FUEL-FLOW | AIR | 30P | | | 65 | 2361 | 28140000 |
| INDICATORS, FUEL-FLOW | AIR | 30P | | | 65 | 2361 | 28142000 |
| INDICATORS, FUEL-FLOW | AIR | 60P | | | 66 | 2361 | 28144000 |
| INDICATORS, FUEL-FLOW | AIR | 100P | | | 66 | 2361 | 28146000 |
| INDICATORS, FUEL-FLOW | AIR | 100P | | | 65 | 2361 | 28148000 |
| INDICATORS, FUEL-FLOW | AIR | 110P | | | 66 | 2361 | 28150000 |

ROME AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

WHELECTRONIC PART FAILURE RATE CAT.

JANUARY 1969

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | UPPER | | PART | YR | CROSS |
|------------------------------|-----------------|------------------------|-------------|--------------|-------|------------|----------|--------|
| | | | | 90 CONF | LIMIT | POPULATION | | |
| PART DESCRIPTION | | | | FAILURE RATE | | PART | OF DATA | INDEX |
| | | | | | | LATION | RPT SRCE | REF NO |
| | | | | | | HOURS | | |
| .40 INDICATING AML MEASURING | | | | | | | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331 | AIR | 110P | 66 | 2361 | 28192000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.131B | AIR | 110P | 66 | 2361 | 28154000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331 | AIR | 130P | 65 | 2361 | 28156000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331 | AIR | 130P | 66 | 2361 | 28158000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331B | AIR | 140P | 65 | 2361 | 28160000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331 | AIR | 140P | 66 | 2361 | 28162000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331 | AIR | 140P | 66 | 2361 | 28164000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331B | AIR | 140P | 66 | 2361 | 28166000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331 | AIR | 140P | 66 | 2361 | 28168000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.131 | AIR | 140P | 66 | 2361 | 28170000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.131 | AIR | 150P | 66 | 2361 | 28172000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331B | AIR | 210P | 65 | 2361 | 28174000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331 | AIR | 210P | 66 | 2361 | 28176000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331 | AIR | 210P | 66 | 2361 | 28178000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.131B | AIR | 220P | 66 | 2361 | 28180000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.131 | AIR | 220P | 66 | 2361 | 28182000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.131 | AIR | 240P | 66 | 2361 | 28184000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331 | AIR | 260P | 66 | 2361 | 28186000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331 | AIR | 260P | 65 | 2361 | 28188000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331B | AIR | 280P | 66 | 2361 | 28190000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.131B | AIR | 280P | 66 | 2361 | 28192000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.131B | AIR | 290P | 66 | 2361 | 28194000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.131B | AIR | 300P | 65 | 2361 | 28196000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.131B | AIR | 300P | 66 | 2361 | 28198000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331B | AIR | 340P | 65 | 2361 | 28200000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.131B | AIR | 340P | 66 | 2361 | 28202000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.131 | AIR | 340P | 66 | 2361 | 28204000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.131 | AIR | 360P | 66 | 2361 | 28206000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331 | AIR | 360P | 66 | 2361 | 28208000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331 | AIR | 390P | 65 | 2361 | 28210000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331 | AIR | 390P | 65 | 2361 | 28212000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331B | AIR | 390P | 66 | 2361 | 28214000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331 | AIR | 390P | 65 | 2361 | 28216000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.131 | AIR | 390P | 66 | 2361 | 28218000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL | AIR | 390P | 65 | 2361 | 28220000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.131B | AIR | 420P | 65 | 2361 | 28222000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.131B | AIR | 460P | 65 | 2361 | 28224000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.131B | AIR | 460P | 66 | 2361 | 28226000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331B | AIR | 510P | 65 | 2361 | 28228000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.131 | AIR | 520P | 65 | 2361 | 28230000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331B | AIR | 530P | 66 | 2361 | 28232000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.131B | AIR | 530P | 65 | 2361 | 28234000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.131 | AIR | 530P | 65 | 2361 | 28236000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331B | AIR | 560P | 66 | 2361 | 28238000 | | |
| INDICATORS.FUEL-QUANTITY | FUEL-707.331 | AIR | 560P | 66 | 2361 | 28240000 | | |

ROSC AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | UPPER 90 CONF LIMIT | PART POPULATION | YK DATA INDEX | CRSSC |
|------------------------------|-----------------------------------|---------------------------|--------------------|------------------|-------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | ENVIRONMENT | PART HOURS | NPT SRCE REF. NO. |
| -40 INDICATING AND MEASURING | | | | | |
| INDICATORS, FUEL-QUANTITY | FUEL-707-331 | 640P | AIR | 65 2361 | 28242000 |
| INDICATORS, FUEL-QUANTITY | FUEL-707-331B | 6.0P | AIR | 65 2361 | 28244000 |
| INDICATORS, FUEL-QUANTITY | FUEL-707-331C | 670P | AIR | 66 2361 | 28246000 |
| INDICATORS, FUEL-QUANTITY | FUEL-707-131B | 720P | AIR | 66 2361 | 28248000 |
| INDICATORS, FUEL-QUANTITY | FUEL-707-131 | 800P | AIR | 66 2361 | 28250000 |
| INDICATORS, FUEL-QUANTITY | FUEL-707-131 | 970P | AIR | 66 2361 | 28252000 |
| INDICATORS, FUEL-QUANTITY | FUEL-707-131B | 1380P | AIR | 66 2361 | 28254000 |
| INDICATORS, FUEL-QUANTITY | FUEL-707-131C | 2050P | IF | 66 2361 | 28256000 |
| INDICATORS, FUEL-QUANTITY | FUEL-707-131D | 2204.46 | AIR | 63 2112 | 28258000 |
| INDICATORS, FUEL-QUANTITY | FUEL-707-131E | 3600 | AIR | 63 2130 | 28260000 |
| INDICATORS, FUEL-QUANTITY | FUEL-707-131B | 220P | AIR | 66 2361 | 28262000 |
| TOTALIZER | | | | 65 2361 | 28264000 |
| INDICATORS, FUEL-QUANTITY | FUEL-707-131 | 520P | AIR | 65 2361 | 28266000 |
| TOTALIZER | | | | 66 2361 | 28268000 |
| INDICATORS, FUEL-TEMPERATURE | ENGINE-FUEL-AND-CONTROL-707-131B | 110P | AIR | 66 2361 | 28268000 |
| INDICATORS, FUEL-TEMPERATURE | ENGINE-FUEL-AND-CONTROL-707-131C | 230P | AIR | 66 2361 | 28270000 |
| INDICATORS, FUEL-TOTALIZING | FUEL-707-331 | 260P | AIR | 65 2361 | 28272000 |
| INDICATORS, GALVANOMETER | TTY-SYSTEM-ENGINE-INSTRUMENTATION | 27.1597 | 50 | 0.08478 | |
| INDICATORS, GLIDE-PATH | RADIO-ARN31 | 192.847 | 31 | 0.1194 | |
| INDICATORS, GYRO-HORIZON | | 1588.95 | | 0.163 | |
| INDICATORS, GYRO-HORIZON | | 1640.35 | | 0.114 | |
| INDICATORS, GYRO-HORIZON | | 2472.4 | 126 | 0.21597 | |
| INDICATORS, GYRO-HORIZON | | 3189.57 | | 0.538 | |
| INDICATORS, HEIGHT | INSTRUMENT-SYSTEM | 192.847 | 31 | 0.1194 | |
| INDICATORS, HEIGHT | RADAR-ALTITUDE-APN22 | 93.1472 | 48 | 0.2472 | |
| INDICATORS, HEIGHT | RADAR-AN/APN-150 | 55.9834 | 76 | 0.04113 | |
| INDICATORS, HEIGHT | RADAR-AN/APN-150 | 46.3027 | 126 | 0.21597 | |
| INDICATORS, HEIGHT | INSTRUMENT-SYSTEM | 158.768 | | 0.08188 | |
| INDICATORS, HEIGHT | | 424.428 | | 0.04241 | |
| INDICATORS, HEIGHT | RADAR-SYSTEM | 1079.13 | 32 | 0.00834 | |
| INDICATORS, HEIGHT | AN/APN-117-ENGINE-INSTRUMENTATION | 1590.9 | | 0.0044 | |
| INDICATORS, HEIGHT | APN-155 | 2093.02 | | 0.0043 | |
| INDICATORS, HEIGHT | APN-155-RADAR | 2107.72 | | 0.00427 | |
| INDICATORS, HEIGHT | APN-155 | 3125 | | 0.00064 | |
| INDICATORS, HEIGHT | AN/APN-82-RADAR-SET | 5155.1 | 63 | 0.04384 | |
| INDICATORS, HEIGHT | APN-155-RADAR | 29411.7 | | 0.00034 | |
| INDICATORS, HEIGHT | RADAR-ALTITUDE | 2455.22 | 43 | 0.00653 | |
| -SERVO-DRIVEN | | | | | |
| INDICATORS, HIGH-RANGE-ALT | SCR-718-1-152 | 250 | AIR | 63 1114 | 28312000 |
| INDICATORS, HIGH-RANGE-ALT | SCR-718-1-152 | 299.424 | 50 | 0.12691 | |
| INDICATORS, HIGH-RANGE-ALT | SCR-718-1-152 | 333.333 | 68 | 0.015 | |
| INDICATORS, HIGH-RANGE-ALT | SCR-718-1-152 | 443.85 | 100 | 0.11637 | |
| INDICATORS, HIGH-RANGE-ALT | SCR-718-1-152 | 1063.64 | 50 | 0.075 | |
| INDICATORS, HIGH-RANGE-ALT | SCR-718-1-152 | 1073.36 | 50 | 0.08474 | |
| INDICATORS, HIGH-RANGE-ALT | SCR-718-1-152 | 290.276 | 50 | 0.0134 | |
| INDICATORS, HIGH-RANGE-ALT | SCR-718-1-152 | 74.5268 | | | |

RONF AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | UPPER PART | YR | CROSS |
|---|------------------------|---------------------|------------|---------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | 90 CONF LATION | PART HOURS | OF DATA INDEX |
| FAILURE RATE | ENVIRONMENT RATE | LIMIT | RPT | SALE REF N3 |
| -40 INDICATING AND MEASURING | | | | |
| INDICATORS-HORIZON-APPROACH FLIGHT-DIR-NA-1 | AIR | 83.3533 324.141 50 | 63 1114 | 28326000 |
| INDICATORS-HORIZON-APPROACH FLIGHT-DIR-NA-1 | AIR | 181.818 255.131 102 | 66 1114 | 28328000 |
| INDICATORS-HORIZON-APPROACH INTEG-FLT-DIRECTOR | AIR | 190.476 309.397 302 | 61 1050 | 28330000 |
| INDICATORS-HORIZON-APPROACH FLIGHT-DIR-NA-1 | AIR | 212.749 275.464 50 | 65 1198 | 28332000 |
| INDICATORS-HORIZON-GYRO | AIR SHP GRD | 646.153 746.219 | 59 212 | 28334000 |
| INDICATORS-HORIZON-GYRO | AIR GND | 3135 | 61 212 | 28336000 |
| INDICATORS-HORIZON-GYRO-OPERATED | AIR | 612.557 995 86 | 66 1240 | 28338000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331 | AIR | 510P | 65 2361 | 28340000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331 | AIR | 560P | 66 2361 | 28342000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331B | AIR | 680P | 65 2361 | 28344000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331B | AIR | 690P | 66 2361 | 28346000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331B | AIR | 750P | 66 2361 | 28348000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331 | AIR | 840P | 66 2361 | 28350000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331B | AIR | 860P | 65 2361 | 28352000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331B | AIR | 900P | 66 2361 | 28354000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331 | AIR | 910P | 66 2361 | 28356000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331B | AIR | 1050P | 66 2361 | 28358000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331 | AIR | 1320P | 66 2361 | 28360000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331 | AIR | 1570P | 65 2361 | 28362000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331 | AIR | 13309.3 15078.9 32 | 66 1225 | 28364000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331 | AIR | 12.8899 28.7049 200 | 65 1198 | 28366000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331 | AIR | 210.273 302.113 | 66 1241 | 28368000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331 | SIM GRD AIR 375 | 555.673 13 | 63 1117 | 28370000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331 | SIM GRD AIR 414.575 | 565.187 195 | 64 1181 | 28372000A |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331 | AIR | 612.903 835.566 136 | 63 1114 | 28374000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331 | AIR | 615.8 758.335 | 65 1188 | 28376000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331 | AIR | 615.8 758.335 | 66 1241 | 28378000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331 | AIR | 1250.32 1349.58 200 | 65 1198 | 28380000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331 | AIR | 1614.59 1727.73 946 | 65 1228 | 28382000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331 | AIR | 1648.04 1986.69 812 | 64 1179 | 28384000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331 | AIR | 2144.01 2436.32 96 | 65 1227 | 28386000 |
| INDICATORS-HORIZON-DIRECTOR NAVIGATION-707-331 | AIR | 2961.53 3442.73 302 | 61 1080 | 28388000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CRBS INDEX |
|-----------------------------------|----------------------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|------------|
| PART DESCRIPTION | | | | | | | | RPT SRC | REF NO |
| .40 INDICATING AND MEASURING | | | | | | | | | |
| INDICATORS-HORIZONTAL-SITUATION | ENGINE-INSTRUMENTATION | AIR | 4316.54 | 5393.05 | 32 | .01834 | 66 | 1225 | 28390000 |
| INDICATORS-HORIZONTAL-SITUATION | | AIR | 12400 | | | | 62 | 1091 | 28392000 |
| INDICATORS-HORIZONTAL-SITUATION | RCOR-MTHR-AN/ASH-13-10-335 | AIR | * | 220.344 | 50 | .01045 | 63 | 1198 | 28394000 |
| INDICATORS-IP-454 | SEARCH-RADAR-AN/APN-59 | AIR | 1945.05 | 2254.48 | 76 | .04113 | 66 | 1250 | 28396000 |
| INDICATORS-IP-628 | SEARCH-RADAR-AN/APN-59 | AIR | 996.839 | 1227.57 | 76 | .04113 | 66 | 1250 | 28398000 |
| INDICATORS-LATITUDE/LONGITUDE | ASN-24-NAV-COMP | AIR | 1173.13 | 1504.79 | 48 | .02472 | 65 | 1227 | 28400000 |
| INDICATORS-LATITUDE/LONGITUDE | ASN-24-NAVIGATION-COMP | AIR | 1434.47 | 1704.75 | 76 | .04113 | 66 | 1230 | 28402000A |
| INDICATORS-LIGHT-QUADRATURE | | GRD | * | 4.70879 | 450 | .489 | 65 | 1193 | 28404000 |
| INDICATORS-LINE-OF-SIGHT | PIRE-CONTROL-SYSTEM | AIR | 1172.52 | 1685.76 | 21 | .01194 | 63 | 1111 | 28406000 |
| INDICATORS-LIQUID-LEVEL | | | * | 3.49935 | | .65800 | 61 | 2228 | 28408000 |
| INDICATORS-LIQUID-LEVEL | | | .516636 | 2.00955 | | 1.9356 | 64 | 2228 | 28410000 |
| INDICATORS-LIQUID-LEVEL | | GRD | .794029 | 3.08853 | 150 | 1.2554 | 65 | 1215 | 28412000A |
| INDICATORS-LIQUID-OXYGEN | | AIR | 294.736 | 379.788 | | .095 | 63 | 2126 | 28414000 |
| INDICATORS-LIQUID-OXYGEN | | AIR | 2574.07 | 2783.41 | | .104 | 63 | 2106 | 28416000 |
| INDICATORS-LIQUID-OXYGEN-QUANTITY | | AIR | 457.249 | 496.52 | | .538 | 63 | 2112 | 28418000 |
| INDICATORS-LIQUID-OXYGEN-SYSTEM | | AIR | 1287.27 | 1438.79 | 63 | .10798 | 65 | 1135 | 28420000 |
| INDICATORS-LOCKED/CLOSED | DOCR-HYD-PRESSURE | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 | 28422000 |
| INDICATORS-LOCKED/CLOSED | LORAN-AN/APN-70-IP-58 | AIR | 70.7714 | 124.228 | 50 | .08478 | 63 | 1198 | 28424000 |
| INDICATORS-LOCKED/CLOSED | LORAN-AN/APN-70-IP-58 | AIR | 80 | 140.428 | 50 | .075 | 63 | 1114 | 28426000 |
| INDICATORS-LOCKED/CLOSED | LORAN-AN/APN-70-IP-58 | AIR | 137.492 | 192.932 | 100 | .11637 | 65 | 1198 | 28428000 |
| INDICATORS-LOCKED/CLOSED | LORAN-AN/APN-70-IP-58 | AIR | 170.454 | 241.959 | 102 | .018 | 63 | 1114 | 28430000 |
| INDICATORS-LOCKED/CLOSED | LORAN-AN/APN-70-IP-58 | AIR | 181.23 | 239.959 | 50 | .12691 | 65 | 1198 | 28432000 |
| INDICATORS-LOCKED/CLOSED | | AIR | * | 55.9834 | 76 | .04113 | 66 | 1250 | 28434000A |
| INDICATORS-LORAN | NAVIGATION-707-331B | AIR | 140P | | | | 66 | 2361 | 28435000 |
| INDICATORS-LORAN | NAVIGATION-707-331 | AIR | 260P | | | | 65 | 2361 | 28438000 |
| INDICATORS-LORAN | NAVIGATION-707-331B | AIR | 410P | | | | 66 | 2361 | 28440000 |
| INDICATORS-LORAN | NAVIGATION-707-331 | AIR | 530P | | | | 65 | 2361 | 28442000 |
| INDICATORS-LORAN-RANGE-ALT | AN/APN-22-10-257 | AIR | 68.7462 | 111.667 | 100 | .11637 | 65 | 1198 | 28444000 |
| INDICATORS-LORAN-RANGE-ALT | AN/APN-22-10-257 | AIR | 113.636 | 175.075 | 102 | .088 | 63 | 1114 | 28446000 |
| INDICATORS-LORAN-RANGE-ALT | AN/APN-22-10-257 | AIR | 117.552 | 181.725 | 50 | .08478 | 63 | 1198 | 28448000 |
| INDICATORS-LORAN-RANGE-ALT | AN/APN-22-10-257 | AIR | 119.193 | 167.775 | 50 | .12691 | 65 | 1198 | 28450000 |
| INDICATORS-LORAN-RANGE-ALT | AN/APN-22-10-257 | AIR | 120 | 184.413 | 50 | .075 | 63 | 1114 | 28452000 |
| INDICATORS-MACH-METER-TRANS | NAVIGATION-707-331 | AIR | 130P | | | | 66 | 2361 | 28454000 |
| INDICATORS-MACH-METER-TRANS | NAVIGATION-707-131 | AIR | 260P | | | | 65 | 2361 | 28456000 |
| INDICATORS-MACH-METER-TRANS | NAVIGATION-707-331 | AIR | 390P | | | | 65 | 2361 | 28458000 |
| INDICATORS-MACH-METER-TRANS | NAVIGATION-707-131 | AIR | 570P | | | | 66 | 2361 | 28460000 |
| INDICATORS-MACH-METER | | AIR | 789.473 | 1120.65 | 92 | .019 | 61 | 1080 | 28462000 |
| INDICATORS-MACH-METER-MIL-1-25479 | | AIR | 1166.66 | 1677.33 | 31 | .012 | 63 | 1111 | 28464000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------------------|----------------------|------------------------|-------------|--------------|---------------------|-----------------|------------|------------|-------------|
| PART DESCRIPTION | | | | | | | | RPT | SRCF REF NO |
| -40 INDICATING AND MEASURING | | | | | | | | | |
| INDICATORS-MASTER | N-I-COMPASS-SYSTEM | AIR | 275.984 | 324.492 | 200 | .23274 | 65 | 1198 | 28466000 |
| INDICATORS-MASTER | N-I-COMPASS-SYSTEM | AIR | 533.333 | 658.535 | 50 | .075 | 63 | 1114 | 28468000 |
| INDICATORS-MASTER | N-I-COMPASS-SYSTEM | AIR | 542.58 | 660.203 | 50 | -.08478 | 63 | 1198 | 28470000 |
| INDICATORS-MASTER | N-I-COMPASS-SYSTEM | AIR | 590.969 | 688.397 | 50 | -.12691 | 65 | 1198 | 28472000 |
| INDICATORS-MASTER | N-I-COMPASS-SYSTEM | AIR | 670.454 | 796.778 | 102 | -.088 | 63 | 1114 | 28474000 |
| INDICATORS-MASTER | N-I-COMPASS-SYSTEM | AIR | 762.71 | 814.279 | 597 | -.51789 | 67 | 1272 | 28476000 |
| LIQUID-OXYGEN | | | | | | | | | |
| INDICATORS-MULTIPLE | COMPUTER-AN/ASN-35 | AIR | * | 18.1435 | 50 | .12691 | 65 | 1198 | 28478000 |
| INDICATORS-MULTIPLE | COMPUTER-AN/ASN-35 | AIR | * | 19.7868 | 100 | -.11637 | 65 | 1198 | 28480000 |
| INDICATORS-MULTIPLE | AFTERBURNER-MOZZLE | AIR | 708.847 | 785.687 | 946 | -.22854 | 65 | 1228 | 28482000 |
| INDICATORS-OIL-LEVEL | PROPELLER-ASSEMBLY | AIR | 4.29664 | 11.434 | 400 | -.46548 | 65 | 1198 | 28484000 |
| INDICATORS-OIL-LEVEL | HYDROMATIC-PROPELLER | AIR | 16.129 | 62.737 | 272 | .062 | 63 | 1114 | 28486000 |
| INDICATORS-OIL-LEVEL | HYDROMATIC-PROPELLER | AIR | 42.4929 | 60.3184 | 408 | -.353 | 63 | 1114 | 28488000 |
| INDICATORS-OIL-LEVEL | PROPELLER-ASSEMBLY | AIR | 43.5085 | 59.9911 | 200 | -.50763 | 65 | 1198 | 28490000 |
| INDICATORS-OIL-PRESSURE | OIL-707-331 | AIR | 70P | | | | 66 | 2361 | 28492000 |
| INDICATORS-OIL-PRESSURE | OIL-707-131B | AIR | 90P | | | | 66 | 2361 | 28494000 |
| INDICATORS-OIL-PRESSURE | OIL-707-131B | AIR | 90P | | | | 66 | 2361 | 28496000 |
| INDICATORS-OIL-PRESSURE | OIL-707-131 | AIR | 170P | | | | 66 | 2361 | 28498000 |
| INDICATORS-OIL-PRESSURE | OIL-707-331 | AIR | 190P | | | | 65 | 2361 | 28500000 |
| INDICATORS-OIL-PRESSURE | OIL-707-131B | AIR | 200P | | | | 65 | 2361 | 28502000 |
| INDICATORS-OIL-PRESSURE | OIL-707-131 | AIR | 260P | | | | 65 | 2361 | 28504000 |
| INDICATORS-OIL-PRESSURE | OIL-707-331 | AIR | 260P | | | | 66 | 2361 | 28506000 |
| INDICATORS-OIL-PRESSURE | OIL-707-131 | AIR | 280P | | | | 66 | 2361 | 28508000 |
| INDICATORS-OIL-PRESSURE | OIL-707-131 | AIR | 553.903 | 557.328 | | -.538 | 63 | 2112 | 28510000 |
| INDICATORS-OIL-QUANTITY | OIL-707-131 | AIR | 260P | | | | 65 | 2361 | 28512000 |
| INDICATORS-OIL-QUANTITY | OIL-707-331 | AIR | 510P | | | | 65 | 2361 | 28514000 |
| INDICATORS-OIL-QUANTITY | OIL-707-331 | AIR | 530P | | | | 66 | 2361 | 28516000 |
| INDICATORS-OIL-QUANTITY | OIL-707-131 | AIR | 830P | | | | 66 | 2361 | 28518000 |
| INDICATORS-OIL-QUANTITY | OIL-707-331 | AIR | 850P | | | | 66 | 2361 | 28520000 |
| INDICATORS-OIL-QUANTITY | OIL-707-131 | AIR | 970P | | | | 66 | 2361 | 28522000 |
| INDICATORS-OIL-QUANTITY | OIL-707-331B | AIR | 170P | | | | 65 | 2361 | 28524000 |
| INDICATORS-OIL-QUANTITY | OIL-707-331B | AIR | 250P | | | | 66 | 2361 | 28526000 |
| INDICATORS-OIL-QUANTITY | OIL-707-331B | AIR | 310P | | | | 66 | 2361 | 28528000 |
| INDICATORS-OIL-QUANTITY | OIL-707-131B | AIR | 340P | | | | 66 | 2361 | 28530000 |
| INDICATORS-OIL-QUANTITY | OIL-707-131B | AIR | 400P | | | | 65 | 2361 | 28532000 |
| INDICATORS-OIL-QUANTITY | OIL-707-131B | AIR | 600P | | | | 66 | 2361 | 28534000 |
| INDICATORS-OIL-TEMPERATURE | OIL-707-131B | AIR | 30P | | | | 66 | 2361 | 28536000 |
| INDICATORS-OIL-TEMPERATURE | OIL-707-131B | AIR | 30P | | | | 65 | 2361 | 28538000 |
| INDICATORS-OIL-TEMPERATURE | OIL-707-131 | AIR | 60P | | | | 66 | 2361 | 28540000 |

PCME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NOPELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT RATE | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------------------------|--------------------------------------|------------------------|------------------|--------------|---------------------|-----------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | LATION | RPT SRCE | REF | NO |
| .4C INDICATING AND MEASURING | | | | | | | | | |
| INDICATORS-OIL-TEMPERATURE | OIL-TEMPERATURE | OIL-7C7-131B | AIR | 60P | | | | 66 | 2361 28542000 |
| INDICATORS-OIL-TEMPERATURE | OIL-TEMPERATURE | OIL-7C7-131 | AIR | 20CP | | | | 65 | 2361 28544000 |
| INDICATORS-OMNI-BEARING | NAVIGATION-7C7-131B | | AIR | 7CP | | | | 65 | 2361 28546000 |
| INDICATORS-OMNI-BEARING | NAVIGATION-7C7-331B | | AIR | 7CP | | | | 66 | 2361 28548000 |
| INDICATORS-OMNI-BEARING | NAVIGATION-7C7-331 | | AIR | 13CP | | | | 65 | 2361 28550000 |
| INDICATORS-OMNI-BEARING | NAVIGATION-7C7-131 | | AIR | 13CP | | | | 65 | 2361 28552000 |
| INDICATORS-OXYGEN-FLOW | GYRO-SYSTEM-FLT-INSTRUMENTATION | | AIR | 42.1032 | 84.1426 | | .055 | 63 | 2126 28554000 |
| INDICATORS-PILOTS-ATTITUDE | GYRO-SYSTEM-FLT-INSTRUMENTATION | | AIR | 896.437 | 1043.14 | 50 | .08478 | 63 | 1198 28556000 |
| INDICATORS-PILOTS-ATTITUDE | GYRO-SYSTEM-FLT-INSTRUMENTATION | | AIR | 966 | 1121.88 | 50 | .075 | 63 | 1114 28558000 |
| INDICATORS-PLAN-POSITION | RADAR-MISSILE-CONTROL | | GRD | 3448.27 | 5312.23 | | .0029 | 62 | 1141 28560000 |
| INDICATORS-POSITION | CIRCUIT-BREAKER-AC-POWER | | AIR | * | 48.2219 | 124 | .04775 | 63 | 1111 28562000 |
| INDICATORS-POSITION | OIL-COOLER-FLAP | | AIR | 2.83286 | 11.0189 | 408 | .353 | 63 | 1114 28564000 |
| INDICATORS-POSITION | OIL-COOLER-FLAP | | AIR | 3.93987 | 10.4846 | 200 | .50763 | 65 | 1198 28566000 |
| INDICATORS-POSITION | OIL-COOLER-FLAP | | AIR | 6.68896 | 17.8003 | 200 | .299 | 63 | 1114 28568000 |
| INDICATORS-POSITION | LANDING-GEAR-BARBER-POLE | | AIR | 7.86349 | 20.9259 | 150 | .25434 | 63 | 1198 28570000 |
| INDICATORS-POSITION | WING-FLAP-FLIGHT-INSTRUMENTATION | | AIR | 7.8796 | 30.6492 | 50 | .12691 | 65 | 1198 28572000 |
| INDICATORS-POSITION | ELEVATOR-TRIM-TAB | | AIR | 8.59323 | 33.4252 | 100 | .11637 | 65 | 1198 28574000 |
| INDICATORS-POSITION | OIL-COOLER-FLAP | | AIR | 8.84642 | 19.7004 | 200 | .33912 | 63 | 1198 28576000 |
| INDICATORS-POSITION | LANDING-GEAR-BARBER-POLE | | AIR | 8.88888 | 23.6546 | 150 | .225 | 63 | 1114 28578000 |
| INDICATORS-POSITION | AILERON-TRIM-TAB-FLT-INSTRUMENTATION | | AIR | 11.3636 | 44.2011 | 102 | .088 | 63 | 1114 28580000 |
| INDICATORS-POSITION | AILERON-TRIM-TAB-FLT-INSTRUMENTATION | | AIR | 11.7952 | 45.8799 | 50 | .08478 | 65 | 1198 28582000 |
| INDICATORS-POSITION | STEERING-LANDING-GEAR | | AIR | 11.7952 | 45.8799 | 50 | .08478 | 63 | 1198 28584000 |
| INDICATORS-POSITION | AILERON-TRIM-TAB-FLT-INSTRUMENTATION | | AIR | 13.3333 | 51.8626 | 50 | .075 | 63 | 1114 28586000 |
| INDICATORS-POSITION | STEERING-LANDING-GEAR | | AIR | 13.3333 | 51.8626 | 50 | .075 | 63 | 1114 28588000 |
| INDICATORS-POSITION | WING-FLAP-FLIGHT-INSTRUMENTATION | | AIR | 13.3333 | 51.8626 | 50 | .075 | 63 | 1114 28590000 |
| INDICATORS-POSITION | OIL-COOLER-DROR | | AIR | 15.4535 | 60.1097 | | .06471 | 63 | 1123 28592000 |
| INDICATORS-POSITION | STEERING-LANDING-GEAR | | AIR | 17.1865 | 45.736 | 100 | .11637 | 65 | 1198 28594000 |
| INDICATORS-POSITION | AILERON-TRIM-TAB-FLT-INSTRUMENTATION | | AIR | 17.1865 | 45.736 | 100 | .11637 | 65 | 1198 28596000 |
| INDICATORS-POSITION | LANDING-GEAR-NOSE | | AIR | 20.1247 | 78.2793 | | .04969 | 63 | 1123 28598000 |
| INDICATORS-POSITION | LANDING-GEAR-BARBER-POLE | | AIR | 21.7391 | 84.5586 | 204 | .046 | 63 | 1114 28600000 |
| INDICATORS-POSITION | ELEVATOR-TRIM-TAB | | AIR | 22.7272 | 60.4806 | 102 | .088 | 63 | 1114 28602000 |
| INDICATORS-POSITION | WING-FLAP-FLIGHT-INSTRUMENTATION | | AIR | 23.5904 | 62.7777 | 50 | .08478 | 63 | 1198 28604000 |
| INDICATORS-POSITION | AILERON-TRIM-TAB-FLT-INSTRUMENTATION | | AIR | 23.6387 | 52.442 | 50 | .12691 | 65 | 1198 28606000 |
| INDICATORS-POSITION | LANDING-GEAR | | AIR | 24.3111 | 54.1393 | 228 | .1234 | 66 | 1250 28608000 |
| INDICATORS-POSITION | RUDDER-TRIM-TAB-FLT-INSTRUMENTATION | | AIR | 25.7798 | 57.4099 | 100 | .11637 | 65 | 1198 28610000 |
| INDICATORS-POSITION | ELEVATOR-TRIM-TAB | | AIR | 31.5183 | 62.9859 | 50 | .12691 | 65 | 1198 28612000 |
| INDICATORS-POSITION | LANDING-GEAR-MAIN | | AIR | 40.2535 | 80.4422 | | .09937 | 63 | 1123 28614000 |
| INDICATORS-POSITION | AILERON-TRIM-SYSTEM | | AIR | 40.253 | 157.35 | 48 | .02472 | 65 | 1227 28616000 |
| INDICATORS-POSITION | LANDING-GEAR-TIP-PROTECTION | | AIR | 41.6666 | 162.07 | 62 | .024 | 63 | 1111 28618000 |
| INDICATORS-POSITION | WING-FLAP-FLIGHT-INSTRUMENTATION | | AIR | 42.5364 | 79.7 | 100 | .11637 | 65 | 1198 28620000 |
| INDICATORS-POSITION | RUDDER-TRIM-TAB-FLT-INSTRUMENTATION | | AIR | 47.2775 | 82.9887 | 50 | .12691 | 65 | 1198 28622000 |
| INDICATORS-POSITION | LANDING-GEAR | | AIR | 61.5384 | | | .13 | 59 | 1070 28624000 |
| INDICATORS-POSITION | AILERON-TRIM-SYSTEM | | AIR | 72.9394 | 162.431 | 76 | .04113 | 66 | 1250 28626000 |
| INDICATORS-POSITION | RUDDER-TRIM-SYSTEM | | AIR | 72.9394 | 162.431 | 76 | .04113 | 66 | 1250 28628000 |
| INDICATORS-POSITION | STEERING-LANDING-GEAR | | AIR | 79.5454 | 133.76 | 102 | .088 | 63 | 1114 28630000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 427 INSTRUMENTS

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OP DATA | CROSS INDEX |
|------------------------------|-------------------------------------|-------------|--------------|---------------------|-----------------|------------|------------|----------------|
| .40 INDICATING AND MEASURING | | | | | | | | |
| INDICATORS-POSITION | ELEVATOR-TRIM-TAB | AIR | 80 | 140.428 | 50 | .075 | 63 | 1114 28632000 |
| INDICATORS-POSITION | ELEVATOR-TRIM-TAB | AIR | 82.5666 | 138.84 | 50 | .08478 | 63 | 1198 28634000 |
| INDICATORS-POSITION | FLAP | AIR | 83.3333 | | 31 | .012 | 63 | 1111 28636000 |
| INDICATORS-POSITION | WING-FLAP-FLIGHT-INSTRUMENTATION | AIR | 91.2616 | 128.06 | 812 | .17532 | 64 | 1179 28638000 |
| INDICATORS-POSITION | AFTERBURNER-NOZZLE | AIR | 96.9655 | 121.958 | 1624 | .35064 | 64 | 1179 28640000 |
| INDICATORS-POSITION | VARIABLE-NOZZLE | AIR | 99.9275 | 109.428 | 2388 | 2.07715 | 67 | 1272 28642000A |
| INDICATORS-POSITION | LANDING-GEAR-BARRIER-POLE | AIR | 103.119 | 128.836 | 300 | .34981 | 65 | 1198 28644000 |
| INDICATORS-POSITION | WING-FLAP-FLIGHT-INSTRUMENTATION | AIR | 106.208 | 120.399 | 1194 | 1.0357 | 67 | 1272 28646000 |
| INDICATORS-POSITION | VARIABLE-NOZZLE | AIR | 117.313 | 140.304 | | .46883 | 66 | 1241 28648000 |
| INDICATORS-POSITION | STEERING-LANDING-GEAR | AIR | 118.193 | 167.775 | 50 | .12691 | 65 | 1198 28650000 |
| INDICATORS-POSITION | LANDING-GEAR | AIR | 121.359 | | 144 | .07416 | 63 | 1227 28652000 |
| INDICATORS-POSITION | FLAP-SYSTEM | AIR | 121.365 | 225.497 | 76 | .04113 | 66 | 1250 28654000 |
| INDICATORS-POSITION | WING-FLAP-FLIGHT-INSTRUMENTATION | AIR | 133.333 | 354.82 | 68 | .015 | 63 | 1114 28656000 |
| INDICATORS-POSITION | LANDING-GEAR | AIR | 142.857 | | 48 | .014 | 59 | 1110 28658000 |
| INDICATORS-POSITION | PITCH-TRIM-SYSTEM | AIR | 145.878 | 256.068 | 76 | .04113 | 66 | 1227 28660000A |
| INDICATORS-POSITION | FLAP-SYSTEM | AIR | 161.312 | | 48 | .02472 | 63 | 1227 28662000 |
| INDICATORS-POSITION | LANDING-GEAR | AIR | 166.666 | | 31 | .012 | 63 | 1111 28664000 |
| INDICATORS-POSITION | LANDING-GEAR-BARRIER-POLE | AIR | 178.608 | 209.698 | 140 | .38272 | 65 | 1198 28666000 |
| INDICATORS-POSITION | LANDING-GEAR-BARRIER-POLE | AIR | 192.452 | 231.807 | 306 | .265 | 63 | 1114 28668000 |
| INDICATORS-POSITION | FLAP | AIR | 200 | | 16 | .005 | 59 | 1110 28670000 |
| INDICATORS-POSITION | LANDING-GEAR-MAIN | AIR | 208.333 | 320.971 | 124 | .048 | 63 | 1111 28672000 |
| INDICATORS-POSITION | SPOILER-SYSTEM | AIR | 218.818 | 345.392 | 76 | .04113 | 66 | 1250 28674000A |
| INDICATORS-POSITION | FLAP-FLIGHT-CONTROLS | AIR | 239.316 | | 75 | .28355 | 65 | 1196 28676000 |
| INDICATORS-POSITION | SPOILER-SYSTEM | AIR | 464.53 | 623.246 | 48 | .02472 | 65 | 1227 28678000 |
| INDICATORS-POSITION | WING-FLAP-FLIGHT-INSTRUMENTATION | AIR | 717.598 | 794.876 | 946 | .22854 | 65 | 1228 28680000 |
| INDICATORS-POSITION | AFTERBURNER-NOZZLE-EXHAUST | AIR | 1225.11 | 1990 | 43 | .00653 | 66 | 1240 28682000A |
| INDICATORS-POSITION | ENGINE-INSTRUMENTATION | AIR | 3237.41 | | 32 | .00334 | 66 | 1225 28684000 |
| INDICATORS-POSITION | OIL-COOLER-FLAP | AIR | 6.94496 | 14.3524 | 400 | .46548 | 65 | 1198 28686000 |
| QUANTITY | | | | | | | | |
| INDICATORS-POSITION | RUDDER-TRIM-TAB-FLT-INSTRUMENTATION | AIR | 11.7952 | 45.8799 | 50 | .08478 | 63 | 1198 28688000 |
| QUANTITY | | | | | | | | |
| INDICATORS-POSITION | RUDDER-TRIM-TAB-FLT-INSTRUMENTATION | AIR | 13.3333 | 51.8626 | 50 | .075 | 63 | 1114 28690000 |
| QUANTITY | | | | | | | | |
| INDICATORS-POSITION | RUDDER-TRIM-TAB-FLT-INSTRUMENTATION | AIR | 68.1818 | 119.682 | 102 | .088 | 63 | 1114 28692000 |
| QUANTITY | | | | | | | | |
| INDICATORS-POSITION | RUDDER-TRIM-SYSTEM | AIR | 121.259 | 270.258 | 48 | .02472 | 65 | 1227 28694000 |
| QUANTITY | | | | | | | | |
| INDICATORS-POSITION | PITCH-TRIM-SYSTEM | AIR | 404.53 | 623.246 | 48 | .02472 | 65 | 1227 28696000 |
| QUANTITY | | | | | | | | |
| INDICATORS-POSITION-BOGEY | LANDING-GEAR | AIR | * | 16.5736 | 96 | .04944 | 65 | 1227 28698000 |
| INDICATORS-POSITION-BOGEY | LANDING-GEAR | AIR | 48.6263 | 7.1742 | 152 | .08226 | 66 | 1250 28700000A |
| INDICATORS-POSITION-DRAG | FLAP-TRIM-5-POINTER | AIR | 1971.97 | 1892.58 | 42 | .00653 | 66 | 1240 28702000A |
| INDICATORS-POSITION-OPEN | | AIR | 24.3131 | 94.5708 | 76 | .04113 | 66 | 1250 28704000A |
| QUANTITY | | | | | | | | |
| INDICATORS-POSITION | FLIGHT-TRACK-NAV | AIR | * | 220.344 | 50 | .01045 | 63 | 1198 28706000 |

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

RCMP AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.V.

SECTION I FAILURE RATE DATA

| PART CLASS | 427 INSTRUMENTS | UPPER | PART | YR | CROSS |
|------------------------------|------------------------|--------------|---------------|-------------|------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | QC CONF LIMIT | POU- LATION | OF DATA INDEX |
| PART DESCRIPTION | ENVIRONMENT | FAILURE RATE | QC CONF LIMIT | PART LATION | YR OF DATA INDEX |
| 427 INSTRUMENTS | ENVIRONMENT | FAILURE RATE | QC CONF LIMIT | PART LATION | YR OF DATA INDEX |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 35.4561 | 53.9687 | 100 | 65 1198 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 38.5487 | 53.5285 | 510 | 63 1114 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 44.1264 | 56.86 | 250 | 65 1193 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 51.948 | 103.812 | 340 | 63 1114 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 72.1835 | 88.6628 | 500 | 65 1198 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 85.9328 | 116.203 | 200 | 63 1198 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 133.333 | 266.451 | 120 | 65 1215 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 42.1052 | 84.1426 | 248 | 63 1111 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 438.334 | 535.789 | 380 | 63 1123 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 843.75 | 1010.82 | 380 | 61 1080 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 950P | | | 66 2361 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 1010P | | | 66 2361 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 1030P | | | 66 2361 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 1173.13 | 1396.29 | 96 | 65 1227 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 1604.66 | 1758.89 | 152 | 66 1250 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 306.278 | 815.053 | 13 | 66 1240 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 162.074 | 219.166 | 228 | 66 1250 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 58.3406 | 83.8771 | 156 | 66 1235 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 20.2265 | 78.6751 | 90 | 65 1227 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 28.9017 | 112.419 | 40 | 66 1257 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 37.5641 | 45.1618 | 2688 | 65 1227 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 38.1854 | 48.7692 | | 66 1241 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 43.2768 | 60.0939 | | 66 1241 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 46.0205 | 52.2954 | 4256 | 66 1250 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 48.6546 | 57.2653 | 800 | 65 1193 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 50.5663 | 77.9057 | 384 | 65 1227 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 52.5437 | 62.0871 | 800 | 63 1114 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 61.0966 | 76.3336 | | 66 1241 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 76.4572 | 86.8098 | 1632 | 63 1114 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 86.4708 | 95.8754 | 1600 | 65 1198 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 97.1659 | 127.868 | 1098 | 63 1114 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 121.565 | 146.704 | 760 | 66 1250 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 135.643 | 149.377 | 800 | 65 1198 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 161.812 | 262.837 | 96 | 65 1227 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 173.48 | 227.697 | | 65 1188 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 222.253 | 269.285 | 126 | 63 1155 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 385.319 | 414.684 | | 65 1196 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 475.524 | 558.297 | 372 | 63 1111 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 580.944 | 679.648 | | 63 1123 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 709.751 | 742.869 | 300 | 65 1196 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 743.242 | 828.558 | | 66 1241 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 1523.8 | 1798.75 | 260 | 61 1090 28842000 |
| INDICATORS, PRESSURE, REMOTE | HYDRAULIC-SYSTEM | 3489.06 | 4490.02 | 43 | 66 1246 28842000 |

KOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CL | SS | 427 INSTRUMENTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|----|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|---------|----|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

WAL-ELECTRONIC PAYEE FAVORABLE RATE DAVIS

U.S. DEPARTMENT OF COMMERCE, BUREAU OF ECONOMIC RESEARCH, WASHINGTON, D. C.

SECTION 1 FAILURE RATE DATA

| PART CLASS | 421 INSTRUMENTS | UPPER PART | YR | CROSS | | | |
|-------------------------------------|------------------------|------------------|--------------|---------------|--------------|------------|-------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT RATE | FAILURE RATE | 60 CONF LIMIT | POPUL LATION | PART HOURS | RPT SACE REF NO |
| .40 INDICATING AND MEASURING | | | | | | | |
| INDICATORS-QUANTITY, LIQUID- OXYGEN | ENGINE-INSTRUMENTATION | AIR | 599.52 | 1112.07 | 32 | .00834 | 66 1225 28974000 |
| INDICATORS-QUANTITY, OIL | ENGINE-INSTRUMENTATION | AIR | 12.8899 | 22.6263 | 400 | .06548 | 65 1198 28978000 |
| INDICATORS-QUANTITY, OIL | ENGINE-INSTRUMENTATION | AIR | 33.4889 | 46.9025 | 200 | .50763 | 65 1198 28978000 |
| INDICATORS-QUANTITY, OIL | ENGINE-INSTRUMENTATION | AIR | 33.9543 | 30.3726 | 406 | .753 | 63 1114 28980000 |
| INDICATORS-QUANTITY, OIL | ENGINE-INSTRUMENTATION | AIR | 56.0275 | 76.3016 | 200 | .33912 | 63 1198 28982000 |
| INDICATORS-QUANTITY, OIL | ENGINE-INSTRUMENTATION | AIR | 56.8561 | 76.9501 | 200 | .299 | 63 1114 28984000 |
| INDICATORS-QUANTITY, OIL | HYDRAULIC-SYSTEM | AIR | 59.748 | 127.243 | 75 | .28355 | 63 1198 28986000 |
| INDICATORS-QUANTITY, OIL | HYDRAULIC-SYSTEM | AIR | 500 | 177.675 | 31 | .012 | 63 1111 28988000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 1056.6 | 1196.4 | | .196 | 59 1030 28990000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 234.26 | 380.518 | | .03415 | 63 1123 28992000A |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 612.557 | 1224.12 | 43 | .00653 | 66 1240 28994000A |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 708.847 | 870.845 | 473 | .11427 | 65 1225 28996000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 741.201 | 873.853 | 406 | .08766 | 64 1715 28998000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 105.014 | 125.609 | 472 | .11427 | 65 1228 28999000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 182.523 | 256.124 | 406 | .08766 | 64 1179 29002000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 148.327 | 223.915 | 144 | .07416 | 65 1227 29004000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 440 | 372.22 | 30 | .01043 | 66 1268 29006000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 95.6957 | 432.188 | 50 | .009 | 63 1114 29010000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 110P | | | | 66 2361 29012000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 130P | | | | 66 2361 29014000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 140P | | | | 66 2361 29016000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 200P | | | | 65 2361 29018000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 210P | | | | 66 2361 29020000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 220P | | | | 65 2361 29022000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 390P | | | | 66 2361 29024000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 26 P | | | | 66 2361 29026000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 260P | | | | 66 2 61 29028000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 460P | | | | 66 2361 29030000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 840P | | | | 65 23 1 29032000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 890P | | | | 66 2361 29034000 |
| INDICATORS-QUANTITY, OXYGEN | HYDRAULIC-SYSTEM | AIR | 930P | | | | 65 2361 29036000 |

NONELCTRONIC PART FAILURE DATA 0074

Page 10

[illegible]

ROME AIR DEVELOPMENT CENTER, GRAIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 27 INSTRUMENTS | UPPER PART | POPULATION | CROSS |
|----------------------------|-----------------------------------|--------------|------------|------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | LIMIT | OF DATA INDEX |
| INDICATING AND MEASURING | | | | |
| INDICATORS-RPM | AIR-CONDITIONING-707-131 | 300P | | 66 2361 29122000 |
| INDICATORS-RPM | AIR-CONDITIONING-707-131 | 300P | | 66 2361 29124000 |
| INDICATORS-RPM | AIR-CONDITIONING-707-131 | 300P | | 65 2361 29126000 |
| INDICATORS-RPM | CABIN-COMPRESSOR-AIR-CONDITIONING | 354.836 | 472.907 | 66 2134 29128000 |
| INDICATORS-RPM | CABIN-COMPRESSOR-AIR-CONDITIONING | 121.995 | | 65 1196 29130000 |
| INDICATORS-RPM | N1-ENGINE-INSTRUMENTATION | 136.053 | 154.69 | 66 1250 29132000 |
| INDICATORS-RPM | N2-ENGINE-INSTRUMENTATION | 1373.69 | 1554.57 | 66 1250 29134000 |
| INDICATORS-RPM | N1-ENGINE-INSTRUMENTATION | 1516.99 | 1767.08 | 65 1227 29136000 |
| INDICATORS-RPM | N2-ENGINE-INSTRUMENTATION | 1638.34 | 1897.2 | 65 1227 29138000 |
| INDICATORS-SCOPE | AN/AP-82-RADAR-SET | 27250.9 | 26348.9 | 64 1155 29140000 |
| INDICATORS-SITUATION | TACAN-AN/ARN-21 | 96.7741 | 215.5 | 63 1114 29142000 |
| HORIZONTAL | | | | |
| INDICATORS-SPEED | BRAKE | 11.9047 | 31.5803 | 59 1070 29144000 |
| INDICATORS-SPEED | INTEG-FLIGHT-PAVIG-ALT-VERT | 8675.38 | 9406.94 | 61 1080 29146000 |
| INDICATORS-SPEED | FLARE-BEST | 192.847 | 31 | 63 1111 29148000 |
| INDICATORS-SPEED-GROUND | DOPPLER-RADAR-SET-AP-89 | 413.222 | 192.847 | 63 1111 29150000 |
| INDICATORS-SPEED-GROUND | ASN-46-NAVIGATION-COMP | 1022.01 | 2044.38 | 66 1241 29152000 |
| INDICATORS-SPEED-GROUND | ASN-46-NAVIGATION-COMP | 1025.64 | 2049.62 | 66 1241 29154000 |
| INDICATORS-SPEED-VERTICAL | ASN-46 | 1309.16 | 155.54 | 64 1181 29156000 |
| ALTITUDE | | | | |
| INDICATORS-SPEED-VERTICAL | ALTITUDE | 1763.29 | 139 | 63 1111 29160000 |
| LANDING-GEAR | | | | |
| INDICATORS-STEERING | LANDING-GEAR | 93.1472 | 48 | 65 1227 29162000 |
| INDICATORS-SUM | RCOR-CA-132/AP-68-ID-292 | 48.6263 | 129.401 | 65 1251 29164000 |
| INDICATORS-SUM | RCOR-CA-132/AP-68-ID-292 | 95.6937 | 372.22 | 63 1198 29166000 |
| INDICATORS-SUM | RCOR-CA-132/AP-68-ID-292 | 111.111 | 432.188 | 63 1114 29168000 |
| INDICATORS-SWEEP-GENERATOR | SEARCH-RADAR | 3370.78 | 5320.59 | 66 1236 29170000 |
| INDICATORS-TACHOMETER | ENGINE-INSTRUMENTATION | 7.24637 | 28.1862 | 59 1070 29172000 |
| INDICATORS-TACHOMETER | ENGINE-INSTRUMENTATION | 193.677 | 206.574 | 67 1241 29174000 |
| INDICATORS-TACHOMETER | ENGINE-INSTRUMENTATION | 306.292 | 342.205 | 65 1228 29176000 |
| INDICATORS-TACHOMETER | ENGINE-INSTRUMENTATION | 395.365 | 413.674 | 67 1272 29178000 |
| INDICATORS-TACHOMETER | ENGINE-INSTRUMENTATION | 404.973 | 452.097 | 64 1179 29180000 |
| INDICATORS-TACHOMETER | ENGINE-INSTRUMENTATION | 515.225 | 659.842 | 62 1080 29182000 |
| INDICATORS-TACHOMETER | ENGINE-INSTRUMENTATION | 913.354 | 1095.95 | 63 1111 29184000 |
| INDICATORS-TACHOMETER | ENGINE-INSTRUMENTATION | 944.614 | 1076.13 | 63 1155 29186000 |
| INDICATORS-TACHOMETER | ENGINE-INSTRUMENTATION | 1207.48 | 1432.66 | 65 1198 29188000 |
| INDICATORS-TACHOMETER | ENGINE-INSTRUMENTATION | 1525.3 | 1601.15 | 65 1198 29190000 |
| INDICATORS-TACHOMETER | ENGINE-INSTRUMENTATION | 1711.87 | 1788.71 | 63 1114 29192000 |
| INDICATORS-TACHOMETER | ENGINE-INSTRUMENTATION | 1770.52 | 1864.54 | 63 1193 29194000 |
| INDICATORS-TACHOMETER | ENGINE-INSTRUMENTATION | 1772.22 | 1868.49 | 63 1193 29196000 |
| INDICATORS-TACHOMETER | ENGINE-INSTRUMENTATION | 2436.11 | 2532.55 | 63 1193 29198000 |
| INDICATORS-TACHOMETER | ENGINE-INSTRUMENTATION | 5182.11 | 5318.21 | 63 1193 29200000 |
| INDICATORS-TACHOMETER | ENGINE-INSTRUMENTATION | 7793.74 | 8184.99 | 64 1223 29202000 |
| INDICATORS-TACHOMETER | ENGINE-INSTRUMENTATION | 8199.47 | 8578.69 | 63 1193 29204000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

MODEL/TYPE/CLASS PART PARTIAL DATE DATA

JANUARY 1966

PART CLASS 427 INSTRUMENTS

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT TYPE | FAILURE RATE | UPPER PART | LOWER PART | DATE DATA | REF |
|---|------------------------|------------------|--------------|------------|------------|-----------|-------------------|
| -40 INDICATING AND MEASURING | | | | | | | |
| INDICATORS-TACHOMETER ENGINE-INSTRUMENTATION | | | | | | | |
| GAS-PRODUCT | | HELI | 147.038 | 572.014 | 20 | .0068 | 66 1257 29206000 |
| INDICATORS-TACHOMETER. ENGINE-INSTRUMENTATION | | | | | | | |
| GAS-PRODUCT | | HELI | 97.8034 | 133.623 | 47 | .0346 | 66 1257 29206000 |
| INDICATORS-TACHOMETER. ENGINE-INSTRUMENTATION | | | | | | | |
| GAS-PRODUCT | | HELI | 73.9265 | 367 | 40 | .01267 | 66 1257 29218000 |
| INDICATORS-TACHOMETER. ENGINE-INSTRUMENTATION | | | | | | | |
| GAS-PRODUCT | | HELI | 184.331 | 490.334 | 20 | .01485 | 66 1257 29218000 |
| INDICATORS-TACHOMETER. MIL-1-25423 | | | | | | | |
| | | AIR | 31.5789 | 70.3242 | 248 | .095 | 63 1111 29214000 |
| INDICATORS-TACHOMETER. DUAL ENGINE-INSTRUMENTATION | | | | | | | |
| INDICATORS-TACHOMETER. DUAL | | HELI | 147.038 | 572.014 | 20 | .0068 | 66 1257 29216000 |
| INDICATORS-TACHOMETER. DUAL | | HELI | 346.82 | 513.517 | 40 | .0346 | 66 1257 29218000 |
| INDICATORS-TACHOMETER. DUAL | | HELI | 594.632 | 732.02 | 40 | .0126 | 66 1257 29220000 |
| INDICATORS-TACHOMETER-N1 | | HELI | 225.925 | 1717.53 | 20 | .0054 | 66 1257 29222000 |
| INDICATORS-TACHOMETER-N1 | | AIR | 130P | | | | 65 2361 29224000 |
| INDICATORS-TACHOMETER-N1 | | AIR | 130P | | | | 66 2361 29226000 |
| INDICATORS-TACHOMETER-N1 | | AIR | 150P | | | | 66 2361 29228000 |
| INDICATORS-TACHOMETER-N1 | | AIR | 210P | | | | 66 2361 29230000 |
| INDICATORS-TACHOMETER-N1 | | AIR | 260P | | | | 66 2361 29232000 |
| INDICATORS-TACHOMETER-N1 | | AIR | 270P | | | | 65 2361 29234000 |
| INDICATORS-TACHOMETER-N1 | | AIR | 390P | | | | 65 2361 29236000 |
| INDICATORS-TACHOMETER-N2 | | AIR | 60P | | | | 65 2361 29238000 |
| INDICATORS-TACHOMETER-N2 | | AIR | 140P | | | | 66 2361 29240000 |
| INDICATORS-TACHOMETER-N2 | | AIR | 200P | | | | 65 2361 29242000 |
| INDICATORS-TACHOMETER-N2 | | AIR | 200P | | | | 66 2361 29244000 |
| INDICATORS-TACHOMETER-N2 | | AIR | 330P | | | | 66 2361 29246000 |
| INDICATORS-TACHOMETER-N2 | | AIR | 340P | | | | 66 2361 29248000 |
| INDICATORS-TACHOMETER-N2 | | AIR | 390P | | | | 66 2361 29250000 |
| INDICATORS-TACHOMETER. RCOR. WTHR. AN/ASH13.10334/ANQ-7 | | | | | | | |
| INDICATORS-TACHOMETER | | AIR | 95.6937 | 372.22 | 50 | .01045 | 63 1198 29252000 |
| INDICATORS-TACHOMETER | | AIR | 24.3131 | 94.5708 | 76 | .04113 | 66 1250 29254000A |
| INDICATORS-TACHOMETER | | HELI | 28.9017 | 112.419 | 40 | .0346 | 66 1257 29256000 |
| INDICATORS-TACHOMETER | | HELI | 28.9017 | 112.419 | 40 | .0346 | 66 1257 29258000 |
| INDICATORS-TACHOMETER | | AIR | 40.453 | 157.35 | 48 | .02472 | 65 1227 29260000 |
| INDICATORS-TACHOMETER | | AIR | 60.7828 | 112.748 | 152 | .08226 | 66 1250 29262000A |
| INDICATORS-TACHOMETER | | AIR | 111.141 | 432.188 | 50 | .009 | 63 1114 29264000 |
| INDICATORS-TACHOMETER | | AIR | 121.545 | 225.497 | 76 | .04113 | 66 1250 29266000A |
| INDICATORS-TACHOMETER | | AIR | 176.039 | 213.097 | 189 | .32395 | 63 1155 29268000 |
| INDICATORS-TACHOMETER | | AIR | 186.915 | 224.316 | 75 | .28353 | 65 1196 29270000 |
| INDICATORS-TACHOMETER | | AIR | 194.505 | 315.942 | 76 | .04113 | 66 1250 29272000 |
| INDICATORS-TACHOMETER | | AIR | 204.549 | 243.459 | 75 | .28353 | 65 1196 29274000 |
| INDICATORS-TACHOMETER | | AIR | 1580.35 | 1773.22 | 152 | .08226 | 66 1250 29276000 |
| INDICATORS-TACHOMETER | | AIR | 1.89035 | 7.35293 | 612 | .529 | 63 1114 29278000 |
| INDICATORS-TACHOMETER. ANTI-ICING. NON-ENG | | | | | | | |
| INDICATORS-TACHOMETER | | AIR | 3.93985 | 8.77378 | 300 | .76145 | 65 4198 29280000 |

JANUARY 1968

1. *What is the purpose of the study?*

153

POPE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1964

| PART CLASS | 427 INSTRUMENTS | UPPER PART | SO CONF | POPUL | YR | CROSS |
|---|-------------------------------|------------------|---------|---------|-------|--------------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | LIMIT | LATION | PART | OF DATA INDEX |
| | | ENVIRONMENT RATE | | | HOURS | RPT SACE REF NO |
| 440 INDICATING AND MEASURING | | | | | | |
| INDICATORS-TEMPERATURE- THERMOCOUPLE | | AIR | 1046.1 | 1075.36 | 2388 | 2.0715 67 1272 29328000A |
| INDICATORS-TEMPERATURE- TOTAL | FLIGHT-INSTR | AIR | 40.493 | 157.35 | 48 | .02472 65 1227 29330000 |
| INDICATORS-TEMPERATURE- TOTAL | FLIGHT-INSTRUMENTATION | AIR | 267.444 | 409.533 | 76 | .0411 66 1250 29332000 |
| INDICATORS-TEMPERATURE- MANIFOLD | | AIR | 166.666 | 443.225 | 31 | .012 63 1118 29334000 |
| INDICATORS-TEMPERATURE-EXIT PRIMARY-HEAT-EXCHANGE | | AIR | 15.0382 | 46.5736 | 96 | .04944 65 1227 29336000 |
| INDICATORS-TEMPERATURE-OIL ENGINE-INSTRUMENTATION | | AIR | 17.7294 | 25.2876 | 480 | .46548 65 1198 29338000 |
| INDICATORS-TEMPERATURE-OIL ENGINE-INSTRUMENTATION | | AIR | 20.2265 | 27.9849 | 200 | .50763 65 1198 29340000 |
| INDICATORS-TEMPERATURE-OIL ENGINE | | AIR | 20.2265 | 52.8258 | 192 | .02880 65 1227 29342000 |
| INDICATORS-TEMPERATURE-OIL ENGINE-INSTRUMENTATION | | AIR | 20.6416 | 34.7101 | 200 | .33912 63 1198 29344000 |
| INDICATORS-TEMPERATURE-OIL ENGINE-INSTRUMENTATION | | AIR | 22.6628 | 36.8121 | 408 | .353 63 1114 29346000 |
| INDICATORS-TEMPERATURE-OIL ENGINE-INSTRUMENTATION | | AIR | 23.8113 | 39.3675 | 260 | .299 63 1114 29348000 |
| INDICATORS-TEMPERATURE-OIL CONSTANT-SPEED-DRIVE | | AIR | 30.3398 | 67.5647 | 172 | .09288 63 1227 29350000 |
| INDICATORS-TEMPERATURE-OIL HYDRAULIC-SYSTEM | | AIR | 56.6274 | 79.1802 | 75 | .28355 65 1196 29352000 |
| INDICATORS-TEMPERATURE-OIL ENGINE | | AIR | 133.738 | 178.238 | 304 | .1645 66 1250 29354000A |
| INDICATORS-TEMPERATURE-OIL CONSTANT-SPEED-DRIVE | | AIR | 136.66 | 151.829 | 300 | 1.1342 65 1196 29356000 |
| INDICATORS-TEMPERATURE-OIL CONSTANT-SPEED-DRIVE | | AIR | 176.291 | 226.13 | 304 | .165 66 1250 29358000 |
| INDICATORS-TEMPERATURE-OIL ENGINE | | HELL | 150 | 236.766 | 240 | .06 65 1215 29360000 |
| 28VDC | | | | | | |
| INDICATORS-THREE-AXIS-TRIM AUTO- T.707-1318 | | AIR | 230P | | | 66 2361 29362000 |
| INDICATORS-THREE-AXIS-TRIM AUTO- T.707-331 | | AIR | 310P | | | 65 2364 29364000 |
| INDICATORS-TORQUEMETER | INST. CAL. - SYSTEM | AIR | 203.741 | 271.534 | 63 | .10798 65 1155 29366000 |
| INDICATORS-TOTALIZER | FUEL-QUANTITY-INSTRUMENTATION | AIR | 170.192 | 286.187 | 76 | .04113 66 1250 29368000A |
| INDICATORS-TOTALIZER-FUEL- QUANTITY-INSTRUMENT | | AIR | 80.9061 | 215.303 | 48 | .02472 65 1227 29370000 |
| INDICATORS-TRIM | AUTOPILOT | AIR | 50 | 59.799 | 152 | 1.10 64 1153 29372000 |
| INDICATORS-TRIM | AUTO-FLIGHT-CONTROL-SYSTEM | AIR | 70.5342 | 95.3802 | 75 | .2835 59 1196 29374000 |
| INDICATORS-TRIM | | AIR | 72.9394 | 162.431 | 76 | .04113 66 1250 29376000A |
| INDICATORS-TRIM | | AIR | 146.37 | 271.507 | | .03416 63 1123 29378000 |
| INDICATORS-TRIM | AUTO-FLIGHT-CONT-SYSTEM | AIR | 155.988 | 172.571 | | 1.077 63 2112 29380000 |
| INDICATORS-TRIM | ENGINE-INSTRUMENTATION | AIR | 242.718 | 426.055 | 48 | .02472 65 1227 29382000 |
| INDICATORS-TRIM | SPOILER-AIRBRAKE-CONT | AIR | 359.496 | 631.042 | 64 | .01669 66 1225 29384000 |
| INDICATORS-TRIM | STABILIZATION-SYSTEM | AIR | 60.3464 | 134.476 | 31 | .01194 63 1111 29386000 |
| INDICATORS-TRIM | INSTRUMENT-SYSTEM | AIR | 9.26097 | 36.0224 | 63 | .10798 65 1155 29390000 |
| INDICATORS-TRIM | INSTRUMENT-SYSTEM | AIR | 9.26097 | 36.0224 | 63 | .10798 65 1155 29392000 |
| INDICATORS-TRIM | AC-POWER-SYSTEM | AIR | 293.193 | 421.528 | 124 | .04775 63 1111 29394000 |
| INDICATORS-TRUE-HEADING | | AIR | 2345.05 | 3021.77 | 31 | .01194 53 111 29396000 |
| INDICATORS-TURN-AND-BANK | INSTRUMENT-SYSTEM | AIR | 182.895 | 212.194 | 232 | .43194 65 1155 29398000 |
| INDICATORS-TURN-AND-BANK | | AIR | 444.444 | 888.172 | 32 | .009 59 1110 29400000 |
| INDICATORS-TURN-AND-BANK | | AIR | 503.067 | 582.015 | | .123 61 1083 29402000 |
| INDICATORS-TURN-AND-BANK | | AIR | 1142.85 | 1603.68 | | .014 61 1082 29404000 |

ROGNE AIR DEVELOPMENT CENTER, GAITHERSBURG, M.D.

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

SECTION 1 FAILURE RATE DATA

| PART CLASS | 427 INSTRUMENTS | UPPER | PART | YR | CROSS |
|--|------------------------|--------------|-------------|---------------|-------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | ENVIRONMENT | 90 CONF LIMIT | OF DATA INDEX |
| -40 INDICATING AND MEASURING | | | | | |
| INDICATORS-TURN-AND-BANK | AIR | 1380.95 | 1560.22 | 59 | 1070 29406000 |
| INDICATORS-TURN-AND-BANK | AIR SHP GRD | 1380.95 | 1560.22 | 57 | 212 29408000 |
| INDICATORS-TURN-AND-BANK | AIR | 1831.37 | 2022.66 | 63 | 2130 29410000 |
| INDICATORS-TURN-AND-BANK | AIR | 2947.36 | 3266.69 | 61 | 1084 29412000 |
| INDICATORS-TURN-AND-BANK | AIR | 3263.94 | 3365.71 | 63 | 2112 29414000 |
| INDICATORS-TURN-AND-BANK | AIR | 1046.69 | 1253.4 | 63 | 1123 29416000A |
| AIR-DRIVEN FLIGHT | | | | | |
| INDICATORS-TURN-AND-SLIP | FLIGHT-INSTRUMENTATION | 78.9285 | 307 | 40 | 66 1257 29418000 |
| INDICATORS-TURN-AND-SLIP | FLIGHT-INSTRUMENTATION | 115.606 | 231.027 | 40 | 66 1257 29420000 |
| INDICATORS-TURN-AND-SLIP | NAVIGATION.707-331B | 140P | | | 66 2361 29422000 |
| INDICATORS-TURN-AND-SLIP | FLIGHT-INSTRUMENTATION | 185.185 | 720.314 | 20 | 66 1257 29424000 |
| INDICATORS-TURN-AND-SLIP | NAVIGATION.707-331B | 280P | | | 66 2361 29426000 |
| INDICATORS-TURN-AND-SLIP | FLIGHT-INSTRUMENTATION | 312.5 | 373.744 | 204 | 63 1114 29428000 |
| INDICATORS-TURN-AND-SLIP | FLIGHT-INSTRUMENTATION | 315.183 | 365.325 | 150 | 65 1198 29430000 |
| INDICATORS-TURN-AND-SLIP | NAVIGATION.707-131 | 330P | | | 66 2351 29432000 |
| INDICATORS-TURN-AND-SLIP | NAVIGATION.707-331B | 340P | | | 65 2361 29434000 |
| INDICATORS-TURN-AND-SLIP | NAVIGATION.707-131 | 460P | | | 64 2361 29436000 |
| INDICATORS-TURN-AND-SLIP | NAVIGATION.707-331 | 510P | | | 65 2361 29438000 |
| INDICATORS-TURN-AND-SLIP | NAVIGATION.707-131 | 520P | | | 65 2361 29440000 |
| INDICATORS-TURN-AND-SLIP | NAVIGATION.707-331B | 530P | | | 65 2351 29442000 |
| INDICATORS-TURN-AND-SLIP | NAVIGATION.707-131B | 570P | | | 66 2361 29444000 |
| INDICATORS-TURN-AND-SLIP | NAVIGATION.707-131B | 600P | | | 66 2361 29446000 |
| INDICATORS-TURN-AND-SLIP | NAVIGATION.707-131B | 143.636 | 1177.38 | 92 | 61 1080 29448000 |
| INDICATORS-TURN-AND-SLIP | NAVIGATION.707-131B | 1071.97 | 1802.58 | 43 | 66 1240 29450000 |
| INDICATORS-TURN-AND-SLIP | NAVIGATION.707-131B | 1250P | | | 66 2361 29452000 |
| INDICATORS-TURN-AND-SLIP | NAVIGATION.707-331 | 1321.06 | 1441.52 | 100 | 63 1198 29454000 |
| INDICATORS-TURN-AND-SLIP | FLIGHT-INSTRUMENTATION | 1395.97 | 1528.37 | 100 | 63 1114 29456000 |
| INDICATORS-TURN-AND-SLIP | FLIGHT-INSTRUMENTATION | 1948.84 | 2734.66 | | 66 1241 29458000A |
| INDICATORS-TURN-AND-SLIP | ARU-3A | 1948.84 | 2734.66 | | 65 1188 29460000 |
| INDICATORS-TURN-AND-SLIP | ENGINE-INSTRUMENTATION | 5155.87 | 6317.26 | 32 | 66 1225 29462000 |
| INDICATORS-TURN-AND-SLIP | ENGINE-INSTRUMENTATION | 791.666 | 1079.27 | 62 | 63 1111 29464000 |
| MIL-I-7805A | | | | | |
| INDICATORS-TURN-AND-SLIP | FLIGHT-INSTRUMENTATION | 433.333 | 563.94 | 240 | 65 1215 29466000 |
| MIL-17627-28VDC FLIGHT-INSTRUMENTATION | | | | | |
| INDICATORS-TURN-AND-SLIP | FLIGHT-INSTRUMENTATION | 333.333 | 513.52 | 120 | 65 1215 29468000 |
| MIL-I-9438 | | | | | |
| INDICATORS-TURN-AND-SLIP | FLIGHT-INSTRUMENTATION | 46.3393 | | | 63 1123 2947000 |
| FUEL SYSTEM | | | | | |
| INDICATORS-TURN-AND-SLIP | FUEL SYSTEM | 192.847 | 31 | | 63 1111 29472000 |
| INDICATORS-TURN-AND-SLIP | FLIGHT-INSTRUMENTATION | 92.1658 | 358.497 | 40 | 66 1257 29474000 |
| VERTICAL | | | | | |
| INDICATORS-TURN-AND-SLIP | FLIGHT-INSTRUMENTATION | 421.336 | 448.978 | 1194 | 63 1272 29476000 |
| VERTICAL | | | | | |
| INDICATORS-TURN-AND-SLIP | FLIGHT-INSTRUMENTATION | 603.833 | 675.185 | 946 | 65 1228 29478000 |
| VERTICAL | | | | | |

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

JANUARY 1968

427 INSTRUMENTS

[illegible]

ROE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

SECTION I FAILURE RATE DATA

| NOMELCTRONIC PART FAILURE RATE DATA | | | | | | | | | | JANUARY 1968 | |
|---|--------------------------------------|------------------------|------------------|---------------------|-------------------|------------|----|---------------|-----------------|--------------|--|
| PART CLASS | 427 INSTRUMENTS | FUNCTIONAL APPLICATION | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR | CROSS | | | |
| | | | | | | | | OF DATA INDEX | RPT SRCE REF NO | | |
| PART DESCRIPTION | | | ENVIRONMENT RATE | | | | | | | | |
| -40 INDICATING AND MEASURING | | | | | | | | | | | |
| INDICATORS-3-POSITION | WATER-INJECTION-SYSTEM | AIR | * | 48.2219 | 124 | -04775 | 63 | 1111 | 29548000 | | |
| INDICATORS-3-POSITION | ACCELEROMETER-ENGINE-INSTRUMENTATION | AIR | 4436.45 | 5525.55 | 32 | -00634 | 66 | 1225 | 29550000 | | |
| INDICATORS-HYDRAULIC-OIL-QUANTITY-STANDBY-AFT | HYDRAULIC-POWER-727 | AIR | 340P | | | | 65 | 2363 | 29552000 | | |
| INDICATORS-PNEUMATIC-PRESS | LANDING-GEAR-727 | AIR | 220P | | | | 65 | 2363 | 29554000 | | |
| INDICATORS/AMPLIFIERS | ENGINE | AIR | 323.624 | 410.019 | 192 | -09888 | 66 | 1227 | 29556000 | | |
| VIBRATION | | AIR | 437.689 | 511.498 | 304 | -1645 | 66 | 1250 | 29559000A | | |
| INDICATORS/AMPLIFIERS | ENGINE | GRD | * | 6.36077 | 333 | -362 | 65 | 1193 | 29560000 | | |
| INDICATORS/SWITCHES-LIGHT | | | | | | | | | | | |
| QUADRATURE | | | | | | | | | | | |
| MACHMETER | NAVIGATION-727 | AIR | 150P | | | | 65 | 2365 | 29562000 | | |
| MACHMETER | NAVIGATION-727 | AIR | 150P | | | | 66 | 2360 | 29564000 | | |
| MACHMETER | NAVIGATION-727 | AIR | 230P | | | | 66 | 2360 | 29566000 | | |
| MACHMETER | NAVIGATION-727 | AIR | 300P | | | | 66 | 2365 | 29568000 | | |
| MACHMETER | NAVIGATION-727 | AIR | 320P | | | | 66 | 2365 | 29570000 | | |
| MACHMETER | NAVIGATION-727 | AIR | 690P | | | | 65 | 2360 | 29572000 | | |
| OXYGEN-PRESSURE | NAVIGATION-727 | AIR | 110P | | | | 66 | 2361 | 29574000 | | |
| OXYGEN-PRESSURE | OXYGEN-707-131 | AIR | 230P | | | | 66 | 2361 | 29576000 | | |
| RUDDER-POSITION | FLIGHT-CONTROLS-707-131B | AIR | 110P | | | | 66 | 2361 | 29578000 | | |
| RUDDER-POSITION | FLIGHT-CONTROLS-707-331B | AIR | 140P | | | | 66 | 2361 | 29580000 | | |
| RUDDER-POSITION | FLIGHT-CONTROLS-707-331B | AIR | 280P | | | | 66 | 2361 | 29582000 | | |
| RUDDER-POSITION | FLIGHT-CONTROLS-707-331B | AIR | 340P | | | | 65 | 2361 | 29584000 | | |

JANUARY 1968

| PART CLASS | 422 INSTRUMENTS | FAILURE | UPPER | PART | YR | CROSS |
|--------------------------|---------------------------------|------------------|---------|---------|-------|---------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT RATE | QTY | CONF | POPUL | OF DATA |
| | | | LIMIT | LAYEN | MOUAS | RYT SACE REF |
| ALT METER-CABIN | AIR-CONDITIONING-727 | AIR | 240P | | 66 | 2363 29580000 |
| ALT METER-CABIN | AIR-CONDITIONING-727 | AIR | 340P | | 65 | 2363 29580000 |
| ALT METER-CABIN-3-POT | AIR-CONDITIONING-331C/373C | AIR | 1080P | | 66 | 2363 29580000 |
| AMMETER-DC | ELECTRICAL-POWER-331C/373C | AIR | 130P | | 66 | 2363 29580000 |
| BUSINESS-TESTANCE | CSO-611-TEMPERATURE | AIR | 162.944 | 342.195 | 182 | 0.5838 |
| DETECTOR | FIRE-PROTECTION-331C/373C | AIR | 1020P | | 65 | 1227 29580000 |
| DETECTOR-ICE | ICE-AND-RAIN-PROTECTION-707-131 | AIR | 300P | | 66 | 2363 29580000 |
| DETECTOR-ICE | ICE-AND-RAIN-PROTECTION-707-131 | AIR | 300P | | 65 | 2363 29580000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 65 | 2364 29602000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 66 | 2362 29604000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 65 | 2362 29605000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 66 | 2362 29608000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 65 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 66 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 65 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 66 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 65 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 66 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 65 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 66 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 65 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 66 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 65 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 66 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 65 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 66 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 65 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 66 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 65 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 66 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 65 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 66 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 65 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 66 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 65 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 66 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 65 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 66 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 65 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 66 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 65 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 66 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 65 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 66 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 65 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 66 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 65 | 2362 29610000 |
| DETECTOR-MAIN-WHEEL-SKID | LANDING-GEAR-707-131B | AIR | 30P | | 66 | 2362 29610000 |
| DE | | | | | | |

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

| PART CLASS | 228 INSTRUMENTS | UPPER | PART | YR | CROSS |
|------------------|-------------------------------|--------------|---------------|---------------|-----------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | ENVIRONMENT | 50 CONF LIMIT | OF DATA INDEX |
| 400 N.B.I. | | | | | RPT CODE REF NO |
| DETECTORS | SMOKE-DETECTION-SYSTEM | 72.8155 | AIR | 114.935 | 240 |
| DETECTORS | DT-17/AJN-N-1-COMPASS-SYSTEM | 102.434 | AIR | 149.381 | 50 |
| DETECTORS | ANTI-SKID-LANDING-GEAR | 141.308 | AIR | 177.103 | 408 |
| DETECTORS | ANTI-SKID-LANDING-GEAR | 155.625 | AIR | 180.555 | 200 |
| DETECTORS | ANTI-SKID-LANDING-GEAR | 159.793 | AIR | 129.652 | 400 |
| DETECTORS | ANTI-SKID-LANDING-GEAR | 206.416 | AIR | 241.712 | 200 |
| DETECTORS | ANTI-SKID-LANDING-GEAR | 209.677 | AIR | 305.773 | 277 |
| DETECTORS | ANTI-SKID-LANDING-GEAR | 314.046 | AIR | 252.583 | 200 |
| DETECTORS | ANTI-SKID-LANDING-GEAR | 352.941 | AIR | 619.535 | 64 |
| DETECTORS | ANTI-ICING/DE-ICING-SYSTEM | 364.077 | AIR | 574.576 | 48 |
| DETECTORS | ANTI-ICING/DE-ICING-SYSTEM | 2565.21 | AIR | 2748.91 | |
| DETECTORS | ANTI-ICING/DE-ICING-SYSTEM | 357.142 | AIR | 456.132 | |
| DETECTORS | G-12-COMPASS-NAVIGATION | 121.359 | AIR | 213.027 | 96 |
| DETECTORS | NAVIGATION-INSTRUMENT | 359.561 | AIR | 321.518 | 406 |
| DETECTORS | NAVIGATION-INSTRUMENT | 258.799 | AIR | 441.848 | 473 |
| DETECTORS | NAVIGATION-INSTRUMENT | 500 | AIR | 877.675 | 31 |
| DETECTORS | SIGNAL-DATA-CONV. COMP/ID/NAV | 91.9201 | SIM GRD AIR * | 91.9201 | 195 |
| DETECTORS | SIGNAL-DATA-CONV. COMP/ID/NAV | 126.125 | AIR | 183.332 | 640 |
| DETECTORS | SIGNAL-DATA-CONV. COMP/ID/NAV | 272.401 | AIR | 216.562 | 2560 |
| DETECTORS | ENGINE | 15.777 | AIR | 14.276 | 4712 |
| DETECTORS | ENGINE | 135.078 | AIR | 145.737 | 1556 |
| DETECTORS | ENGINE | 139.534 | AIR | 174.333 | 896 |
| DETECTORS | ENGINE | 140.396 | AIR | 150.894 | 1550 |
| DETECTORS | ENGINE | 1618.57 | AIR | 1414.38 | 64 |
| DETECTORS | ENGINE | 34.3731 | AIR | 55.835 | 200 |
| DETECTORS | ENGINE | 1361.86 | AIR | 1290.65 | |
| DETECTORS | ENGINE | 454.545 | AIR | 59.749 | 320 |
| DETECTORS | ENGINE | 447.975 | AIR | 447.975 | |
| DETECTORS | ENGINE | 5.29083 | AIR | 14.2452 | 1632 |
| DETECTORS | ENGINE | 21.841 | AIR | 25.8582 | 2400 |
| DETECTORS | ENGINE | 26.9198 | AIR | 34.8163 | 4080 |
| DETECTORS | ENGINE | 31.322 | AIR | 34.7515 | 2000 |
| DETECTORS | ENGINE | 42.9664 | AIR | 66.1968 | 200 |
| DETECTORS | ENGINE | 56.6171 | AIR | 62.2211 | 2000 |
| DETECTORS | ENGINE | 61.3947 | AIR | 67.6112 | 2000 |
| DETECTORS | ENGINE | 200 | AIR | 445.346 | 69 |
| DETECTORS | ENGINE | 30P | AIR | 30P | |
| DETECTORS | ENGINE | 70P | AIR | 70P | |
| DETECTORS | ENGINE | 110P | AIR | 110P | |
| DETECTORS | ENGINE | 170P | AIR | 170P | |
| DETECTORS | ENGINE | 200P | AIR | 200P | |
| DETECTORS | ENGINE | 230P | AIR | 230P | |
| DETECTORS | ENGINE | 30P | AIR | 30P | |
| DETECTORS | ENGINE | 70P | AIR | 70P | |
| DETECTORS | ENGINE | 110P | AIR | 110P | |
| DETECTORS | ENGINE | 170P | AIR | 170P | |
| DETECTORS | ENGINE | 200P | AIR | 200P | |
| DETECTORS | ENGINE | 230P | AIR | 230P | |
| DETECTORS | ENGINE | 30P | AIR | 30P | |
| DETECTORS | ENGINE | 70P | AIR | 70P | |
| DETECTORS | ENGINE | 110P | AIR | 110P | |
| DETECTORS | ENGINE | 170P | AIR | 170P | |
| DETECTORS | ENGINE | 200P | AIR | 200P | |
| DETECTORS | ENGINE | 230P | AIR | 230P | |
| DETECTORS | ENGINE | 30P | AIR | 30P | |
| DETECTORS | ENGINE | 70P | AIR | 70P | |
| DETECTORS | ENGINE | 110P | AIR | 110P | |
| DETECTORS | ENGINE | 170P | AIR | 170P | |
| DETECTORS | ENGINE | 200P | AIR | 200P | |
| DETECTORS | ENGINE | 230P | AIR | 230P | |
| DETECTORS | ENGINE | 30P | AIR | 30P | |
| DETECTORS | ENGINE | 70P | AIR | 70P | |
| DETECTORS | ENGINE | 110P | AIR | 110P | |
| DETECTORS | ENGINE | 170P | AIR | 170P | |
| DETECTORS | ENGINE | 200P | AIR | 200P | |
| DETECTORS | ENGINE | 230P | AIR | 230P | |
| DETECTORS | ENGINE | 30P | AIR | 30P | |
| DETECTORS | ENGINE | 70P | AIR | 70P | |
| DETECTORS | ENGINE | 110P | AIR | 110P | |
| DETECTORS | ENGINE | 170P | AIR | 170P | |
| DETECTORS | ENGINE | 200P | AIR | 200P | |
| DETECTORS | ENGINE | 230P | AIR | 230P | |
| DETECTORS | | | | | |

| PART CLASS | | 420 INSTRUMENTS | | FUNCTIONAL APPLICAT' N | | FAILURE RATE | | UPPER 90 CONF LIMIT | | PART LATION HOURS | | YR OF DATA INDEX | | CROSS REF NO | |
|-------------------------------|-------------------------------------|-----------------|---------|------------------------|--|--------------|--|---------------------|-----|-------------------|--|------------------|------|--------------|--|
| PART DESCRIPTION | | ENVIRONMENT | | ENVIRONMENT | | RATE | | LIMIT | | HOURS | | YR | | CROSS REF NO | |
| .00 N.B.C. | | | | | | | | | | | | | | | |
| DETECTORS-MAIN-WHEEL-SKID | LANDING-GEAR-707-331B | AIR | 250P | | | | | | | | | 6 | 2361 | 29760000 | |
| DETECTORS-MAIN-WHEEL-SKID | LANDING-GEAR-707-331B | AIR | 270P | | | | | | | | | 6 | 2361 | 29760000 | |
| DETECTORS-MAIN-WHEEL-SKID | LANDING-GEAR-707-331 | AIR | 420P | | | | | | | | | 6 | 2361 | 29760000 | |
| DETECTORS-PHASE | TORQUEMETER-SYS-ENGINE-INSTRUMENT | AIR | 46-4201 | | | | | 64-4587 | 244 | | | 65 | 1208 | 29760000 | |
| DETECTORS-PHASE | TORQUEMETER-SYS-ENGINE-INSTRUMENT | AIR | 827-195 | | | | | 592-746 | 408 | | | 63 | 1198 | 29760000 | |
| DETECTORS-PHASE | TORQUEMETER-SYS-ENGINE-INSTRUMENT | AIR | 860-863 | | | | | 316-036 | 200 | | | 65 | 1201 | 29770000 | |
| DETECTORS-PHASE | TORQUEMETER-SYS-ENGINE-INSTRUMENT | AIR | 1265-03 | | | | | 1346-79 | 200 | | | 63 | 1198 | 29770000 | |
| DETECTORS-PHASE | TORQUEMETER-SYS-ENGINE-INSTRUMENT | AIR | 1014-38 | | | | | 1493-48 | 200 | | | 63 | 1114 | 29770000 | |
| FLOWMETER-LEFT | LANDING-GEAR-707-331B | AIR | 180P | | | | | | | | | 65 | 2330 | 29776000 | |
| GAGE-PNEUMATIC-BRAKE-PRESSURE | LANDING-GEAR-707-331 | AIR | 40P | | | | | | | | | 66 | 2364 | 29778000 | |
| GAGE-PNEUMATIC-BRAKE-PRESSURE | LANDING-GEAR-707-331B | AIR | 60P | | | | | | | | | 66 | 2364 | 29780000 | |
| GAGE-PNEUMATIC-BRAKE-PRESSURE | LANDING-GEAR-707-331B | AIR | 80P | | | | | | | | | 66 | 2362 | 29792000 | |
| GAGE-PNEUMATIC-BRAKE-PRESSURE | LANDING-GEAR-707-331 | AIR | 100P | | | | | | | | | 66 | 2364 | 29784000 | |
| GAGE-PNEUMATIC-BRAKE-PRESSURE | LANDING-GEAR-707-331 | AIR | 110P | | | | | | | | | 66 | 2362 | 29786000 | |
| GAGE-PNEUMATIC-BRAKE-PRESSURE | LANDING-GEAR-707-131B | AIR | 130P | | | | | | | | | 66 | 2364 | 29788000 | |
| GAGE-PNEUMATIC-BRAKE-PRESSURE | LANDING-GEAR-331C/373C | AIR | 170P | | | | | | | | | 66 | 2360 | 29794000 | |
| GAGE-PNEUMATIC-BRAKE-PRESSURE | LANDING-GEAR-707-331 | AIR | 340P | | | | | | | | | 66 | 2364 | 29792000 | |
| GAGE-PNEUMATIC-BRAKE-PRESSURE | LANDING-GEAR-707-331B | AIR | 350P | | | | | | | | | 65 | 2362 | 29794000 | |
| GAGE-STRAIN | LANDING-GEAR-331C/373C | QUAL TEST | 71-4285 | | | | | 190-032 | | | | 58 | 212 | 29796000 | |
| GAGE-PNEUMATIC-BRAKE-PRESSURE | (STORAGE) | AIR | 370P | | | | | | | | | 65 | 2363 | 29798000 | |
| GAGES | (STORAGE) | MSL | .0005 | | | | | | | | | 66 | 2315 | 29800000 | |
| GAGES | ACCUMULATOR-BRAKE-LANDING-GEAR-MAIN | AIR | .0005 | | | | | 246-51 | 124 | | | 65 | 2440 | 29802000 | |
| GAGES | CAMERA-VACUUM-SYSTEM | AIR | 146-556 | | | | | 639-711 | 50 | | | 63 | 1111 | 29804000 | |
| GAGES | CAMERA-VACUUM-SYSTEM | AIR | 287-081 | | | | | 742-11 | 50 | | | 63 | 1198 | 29806000 | |
| GAGES | CONTROL-SPOILER/AIRBRAKE | AIR | 333-333 | | | | | 744-932 | 42 | | | 63 | 1114 | 29808000 | |
| GAGES | LANDING-GEAR-707-131B | AIR | 502-721 | | | | | | | | | 63 | 1111 | 29810000 | |
| PNEUMATIC-BRAKE-PRESSURE | LANDING-GEAR-707-331B | AIR | 40P | | | | | | | | | 66 | 2361 | 29812000 | |
| GAGES | LANDING-GEAR-707-331B | AIR | 50P | | | | | | | | | 6 | 2361 | 29814000 | |
| PNEUMATIC-BRAKE-PRESSURE | LANDING-GEAR-707-331 | AIR | 90P | | | | | | | | | 6 | 2361 | 29816000 | |
| PNEUMATIC-BRAKE-PRESSURE | LANDING-GEAR-707-131B | AIR | 120P | | | | | | | | | 6 | 2361 | 29818000 | |
| GAGES | LANDING-GEAR-707-331 | AIR | 150P | | | | | | | | | 66 | 2361 | 29820000 | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1969

| PART CLASS | 428 INSTRUMENTS | UPPER | PART | FAILURE | ENVIRONMENT | SC CONF | POPULATION | PART | YR | CROSS |
|--------------------------------------|-------------------------------------|----------|----------|----------|-------------|---------|------------|--------|---------|-------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | LIMIT | LOCATION | RATE | | LIMIT | | HOURS | OF DATA | INDEX |
| GAGES, CLIMB-RATE | CABIN-AIR-COND/PRESSURIZ | 212.737 | 700 | 154.679 | AIR | | | 111637 | 65 | 1198 |
| GAGES, CLIMB-RATE | CABIN-AIR-COND/PRESSURIZ | 333.184 | 102 | 25 | AIR | | | .088 | 63 | 1114 |
| GAGES, CLIMB-RATE | CABIN-AIR-COND/PRESSURIZ | 345.69 | 50 | 275.785 | AIR | | | .12691 | 65 | 1198 |
| GAGES, DE-ICING | INSTRUMENT-SYSTEM | 18.0103 | 123 | 4.63027 | AIR | | | .21597 | 65 | 1115 |
| GAGES, HEATER | ACCUMULATOR-AIR-BOX (M-MILES) | 63.0421M | 15 | 16.2074M | GRD | | | .0417K | 66 | 1255 |
| GAGES, HYDRAULIC | RESERVOIR-STIGHT | 132.495 | 640 | 71.4285 | AIR | | | .07 | 41 | 1060 |
| GAGES, HYDRAULIC-PRESSURE | | 5.57275 | 7.6644P | 5.57275 | AIR | | | 3.22 | 63 | 2112 |
| GAGES, OIL | ENGINE-TANK-ASSEMBLY | 160.88 | 320 | 25.7142 | AIR | | | .035 | 61 | 1060 |
| GAGES, PRESSURE | FIRE-EXT-SYSTEM | 16.6294 | 240 | * | AIR | | | .1236 | 65 | 1227 |
| GAGES, PRESSURE | RATN-REPELLANT-SYSTEM | 93.1472 | 46 | * | AIR | | | .02472 | 65 | 1227 |
| GAGES, PRESSURE | RATN-REPELLANT-SYSTEM | 55.9834 | 76 | * | AIR | | | .04113 | 66 | 1251 |
| GAGES, PRESSURE | | 4 | | 4 | LAB | | | | 63 | 1138 |
| GAGES, PRESSURE | FIRE-EXTINGUISHING-SYSTEM | 18.9141 | 180 | 4.86263 | AIR | | | .20565 | 66 | 1250 |
| GAGES, PRESSURE | INSTRUMENT-SYSTEM | 15.5721 | 441 | 9.2606 | AIR | | | .7589 | 65 | 1115 |
| GAGES, PRESSURE | HYDRAULIC-RESERVOIR | 45.2777 | | 27.8745 | AIR | | | .287 | 61 | 1084 |
| GAGES, PRESSURE | BLEED-AIR-AIR-COND | 93.2812 | 185 | 41.8877 | AIR | | | .07162 | 63 | 1111 |
| GAGES, PRESSURE | | 75.7 | 100 | 42.9664 | AIR | | | .11637 | 65 | 1198 |
| GAGES, PRESSURE | BLEED-AIR-AIR-COND | 63.9238 | 50 | 53.1597 | AIR | | | .978 | 61 | 1083 |
| GAGES, PRESSURE | BLEED-AIR-AIR-COND | 106.59 | 50 | 53.2333 | AIR | | | .715 | 63 | 1114 |
| GAGES, PRESSURE | BLEED-AIR-AIR-COND | 109.367 | 50 | 58.9761 | AIR | | | .6478 | 63 | 1198 |
| GAGES, PRESSURE | | 116.359 | | 53.9759 | AIR | | | .415 | 57 | 212 |
| GAGES, PRESSURE | PNEUMATIC-SYSTEM | 200.46 | | 142.857 | AIR | | | .112 | 57 | 211 |
| GAGES, PRESSURE | MANIFOLD-INSTRUMENT-SYSTEM | 333.064 | 62 | 166.666 | AIR | | | .024 | 63 | 1111 |
| GAGES, PRESSURE | | 250.483 | 63 | 185.219 | AIR | | | .10768 | 65 | 1155 |
| GAGES, PRESSURE | PNEUMATIC-SYSTEM | 570.967 | | 20 | AIR | | | | 61 | 1069 |
| GAGES, PRESSURE | | 375.788 | | 285.714 | AIR | | | .014 | 61 | 1082 |
| GAGES, PRESSURE | PNEUMATIC-SYSTEM | 474.237 | | 294.736 | AIR | | | .055 | 63 | 213 |
| GAGES, PRESSURE | CALIBRATION-RACK-CHECKOUT-EQUIPMENT | 182.23 | | 324.561 | AIR | | | .114 | 51 | 1084 |
| GAGES, PRESSURE | HYDRAULIC-SYSTEM | 116.455 | 408 | 476.19 | GRD | | | .0421 | 62 | 1141 |
| GAGES, PRESSURE | | 116.455 | | 51.1854 | AIR | | | .335 | 65 | 1250 |
| DIRECT-READING | HYDRAULIC-SYSTEM | 176.776 | 384 | 126.529 | AIR | | | .16778 | 65 | 1227 |
| DIRECT-READING | AIR-BOTTLE-PNEUMATIC-SYSTEM | 78.6274 | | 27.2142 | AIR | | | .04947 | 63 | 1123 |
| GAGES, PRESSURE-AIR | AIR-BOTTLE-LANDING-CROOP-ACTIVATION | 100.48 | | 50.2449 | AIR | | | .07961 | 63 | 1123 |
| GAGES, PRESSURE-AIR | HYDRAULIC-SYSTEM | 163.6 | | 113.139 | AIR | | | .13258 | 66 | 1241 |
| GAGES, PRESSURE-AIR | | 815.176 | 172 | 576.272 | AIR | | | .02612 | 66 | 1240 |
| GAGES, PRESSURE-BOLTDON-TU-11ADEFOLD | HELI | 378.904 | 151 | 299.065 | | | | .107 | 65 | 1234 |
| GAGES, PRESSURE-FULL-1-1/2-IN-3-1/2 | AIR | 78.074 | | 35.059 | AIR | | | .05557 | 63 | 1123 |
| GAGES, PRESSURE-CAS | | 980.908 | 31 | 583.333 | AIR | | | .012 | 63 | 1111 |
| GAGES, PRESSURE-PNEUMATIC | | 253.327 | | 155.652 | AIR | | | .138 | 59 | 1070 |

NAME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1962

PART CLASS 426 INSTRUMENTS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER 50 CONF
LIMIT

PART POPU-
LATION

PART HOURS

YR OF DATA
RPT SPEC AE NO

000 N-3.C.

GAGES-PRESSURE-HYDRAULIC

| | | | | | | | |
|----------------------------|---------|----------|----------|--------|----|------|-----------|
| AN57117A | AIR | 43.4782 | 64.4259 | .276 | 55 | 1070 | 29902000 |
| GAGES-PRESSURE-OXYGEN | AIR | 156.25 | 240.128 | .064 | 61 | 1080 | 29904000A |
| GAGES-PRESSURE-PNEUMATIC | AIR | * | 44.3393 | .04969 | 63 | 1123 | 29906000A |
| GAGES-PRESSURE-PNEUMATIC | AIR | 35.3778 | 41.8382 | 1.0486 | 66 | 1211 | 29908000 |
| GAGES-QUANTITY-FUEL | GRD | 16.2076H | 62.0421H | .0217M | 66 | 1255 | 29910000 |
| GAGES-QUANTITY-FUEL-TOTAL | AIR | 34.782 | 587.936 | .046 | 59 | 1110 | 29912000 |
| GAGES-QUANTITY-FUEL-TOTAL | AIR | 600 | 1336.16 | .005 | 59 | 1110 | 29914000 |
| GAGES-QUANTITY-OXYGEN | AIR | 1624.4 | 1815.6 | .08557 | 63 | 1123 | 29916000 |
| GAGES-SIGHT | AIR | 600 | 1236.16 | .005 | 59 | 1110 | 29918000 |
| GAGES-SIGHT | AIR | 781.818 | 957.927 | .055 | 61 | 1080 | 29920000A |
| GAGES-SIGHT | AIR | * | 93.1472 | .02472 | 65 | 1227 | 29922000 |
| GAGES-SIGHT | AIR | * | 55.9834 | .04113 | 65 | 1250 | 29924000A |
| GAGES-SIGHT | AIR | * | 13.1336 | .17532 | 64 | 1179 | 29926000 |
| GAGES-SIGHT | AIR | * | 93.1472 | .02472 | 65 | 1227 | 29928000 |
| GAGES-SIGHT | AIR | * | 55.9834 | .04113 | 66 | 1250 | 29930000A |
| GAGES-SIGHT | AIR | * | 93.1472 | .02472 | 65 | 1227 | 29932000 |
| GAGES-SIGHT | AIR | 4.2756 | 17.0197 | .22854 | 45 | 1223 | 29934000 |
| GAGES-SIGHT | AIR | 4.82765 | 8.55 | 1.0357 | 67 | 1272 | 29936000 |
| GAGES-SIGHT | AIR | 18.2862 | 30.9174 | .38072 | 45 | 1198 | 29938000 |
| GAGES-SIGHT | AIR | 19.6587 | 36.4657 | .25434 | 63 | 1195 | 29940000 |
| GAGES-SIGHT | AIR | 20.6399 | 32.7168 | .34911 | 65 | 1198 | 29942000 |
| GAGES-SIGHT | AIR | 24.3131 | 94.5708 | .04113 | 66 | 1250 | 29944000A |
| GAGES-STRAIN | AIR | * | 9.89344 | .23274 | 63 | 1198 | 29946000 |
| GAGES-STRAIN | AIR | 11.6 | 170 | | 63 | 1158 | 29948000 |
| GAGES-STRAIN | AIR | 120 | | | 61 | 1068 | 29950000 |
| GAGES-STRAIN-PICKUP- | AIR GND | 4000 | 7693.55 | .001 | 57 | 212 | 29952000 |
| TRANSDUCER-SEMICONDUCTOR | LAB | * | 191.833 | .012 | 45 | 1179 | 29954000A |
| GAGES-TEMPERATURE-EXHAUST- | | | | | | | |
| GAS | AIR | 166.666 | 371.155 | .018 | 59 | 1110 | 29956000 |
| GAUGE-HYDRAULIC-PRESSURE- | | | | | | | |
| 0-4M-PSI | AIR | 50P | | | 66 | 2360 | 29958000 |
| GAUGE-HYDRAULIC-PRESSURE- | | | | | | | |
| 0-4M-PSI | AIR | 50P | | | 56 | 2260 | 29960000 |
| GAUGE-WATER-QUANTITY | | | | | | | |
| GAUGE-WATER-QUANTITY | AIR | 150P | | | 65 | 2362 | 29962000 |
| GAUGE-WATER-QUANTITY | AIR | 340P | | | 66 | 2362 | 29964000 |
| GAUGE-HYDRAULIC-PRESS- | | | | | | | |
| 0-4M-PSI | AIR | 50P | | | 65 | 2362 | 29966000 |
| GAUGE-WATER-QUANTITY | | | | | | | |
| GAUGE-WATER-QUANTITY | AIR | 70P | | | 66 | 2365 | 29968000 |
| GAUGE-WATER-QUANTITY | AIR | 70P | | | 66 | 2364 | 29970000 |
| GAUGE-WATER-QUANTITY | AIR | 70P | | | 65 | 2364 | 29972000 |
| GAUGE-WATER-QUANTITY | AIR | 150P | | | 66 | 2364 | 29974000 |
| GAUGE-WATER-QUANTITY | AIR | 310P | | | 67 | 2364 | 29976000 |
| GAUGE-WATER-QUANTITY | AIR | 310P | | | 66 | 2364 | 29978000 |

3-51-57

SECTION I FAILURE RATE DATA

| PART CLASS | 428 INSTRUMENTS | FUNCTIONAL APPLICATION | FAILURE RATE | UPPER LIMIT | SO CONF | PART POPU- LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|---------------------|-----------------|------------------------|--------------|-------------|---------|-------------------|------------|------------|-------------|
| PART DESCRIPTION | | | ENVIRONMENT | | | | | RPT SRCE | REF 10 |
| INTERROGATOR, DME | | NAVIGATION, 331C/373C | AIR | 46 P | | | | 65 | 2360 |
| INTERROGATOR, DME | | NAVIGATION, 331C/373C | AIR | 48 P | | | | 66 | 2360 |
| INTERROGATOR, DME | | NAVIGATION, 7-7-331B | AIR | 49 P | | | | 66 | 2362 |
| INTERROGATOR, DME | | NAVIGATION, 331C/373C | AIR | 49 P | | | | 65 | 2365 |
| INTERROGATOR, DME | | NAVIGATION, 331C/373C | AIR | 51 P | | | | 66 | 2365 |
| INTERROGATOR, DME | | NAVIGATION, 331C/373C | AIR | 51 P | | | | 66 | 2365 |
| INTERROGATOR, DME | | NAVIGATION, 7-7-131 | AIR | 53 P | | | | 65 | 2365 |
| INTERROGATOR, DME | | NAVIGATION, 7-7-131 | AIR | 53 P | | | | 65 | 2362 |
| INTERROGATOR, DME | | NAVIGATION, 880 | AIR | 63 P | | | | 65 | 2360 |
| INTERROGATOR, DME | | NAVIGATION, 7-7-131B | AIR | 64 P | | | | 65 | 2362 |
| INTERROGATOR, DME | | NAVIGATION, 7-7-331 | AIR | 68 P | | | | 65 | 2362 |
| INTERROGATOR, DME | | NAVIGATION, 880 | AIR | 68 P | | | | 65 | 2362 |
| INTERROGATOR, DME | | NAVIGATION, 331C/373C | AIR | 72 P | | | | 66 | 2365 |
| INTERROGATOR, DME | | NAVIGATION, 331C/373C | AIR | 72 P | | | | 66 | 2365 |
| INTERROGATOR, DME | | NAVIGATION, 721 | AIR | 83 P | | | | 65 | 2360 |
| INTERROGATOR, DME | | NAVIGATION, 721 | AIR | 84 P | | | | 66 | 2365 |
| INTERROGATOR, DME | | NAVIGATION, 880 | AIR | 84 P | | | | 65 | 2365 |
| INTERROGATOR, DME | | NAVIGATION, 331C/373C | AIR | 88 P | | | | 65 | 2365 |
| INTERROGATOR, DME | | NAVIGATION, 331C/373C | AIR | 111 P | | | | 65 | 2365 |
| INTERROGATOR, DME | | NAVIGATION, 727 | AIR | 116 P | | | | 66 | 2365 |
| INTERROGATOR, DME | | NAVIGATION, 7-7-331B | AIR | 116 P | | | | 66 | 2365 |
| INTERROGATOR, DME | | NAVIGATION, 727 | AIR | 116 P | | | | 65 | 2362 |
| INTERROGATOR, DME | | NAVIGATION, 880 | AIR | 116 P | | | | 66 | 2360 |
| INTERROGATOR, DME | | NAVIGATION, 7-7-131 | AIR | 148 P | | | | 66 | 2362 |
| INTERROGATOR, DME | | NAVIGATION, 7-7-131 | AIR | 160 P | | | | 66 | 2362 |
| INTERROGATOR, DME | | NAVIGATION, 7-7-131B | AIR | 160 P | | | | 65 | 2362 |
| INTERROGATOR, DME | | NAVIGATION, 7-7-131B | AIR | 162 P | | | | 66 | 2362 |
| INTERROGATOR, DME | | NAVIGATION, 7-7-131B | AIR | 162 P | | | | 66 | 2362 |
| INTERROGATOR, DME | | NAVIGATION, 727 | AIR | 170 P | | | | 65 | 2363 |
| INTERROGATOR, DME | | NAVIGATION, 7-7-331B | AIR | 170 P | | | | 66 | 2362 |
| INTERROGATOR, DME | | NAVIGATION, 880 | AIR | 174 P | | | | 66 | 2365 |
| INTERROGATOR, DME | | NAVIGATION, 727 | AIR | 184 P | | | | 66 | 2360 |
| INTERROGATOR, DME | | NAVIGATION, 727 | AIR | 213 P | | | | 65 | 2365 |
| INTERROGATOR, DME | | NAVIGATION, 7-7-331 | AIR | 217 P | | | | 66 | 2362 |
| INTERROGATOR, DME | | NAVIGATION, 7-7-331 | AIR | 236 P | | | | 66 | 2362 |
| INTERROGATOR, DME | | NAVIGATION, 880 | AIR | 257 P | | | | 66 | 2365 |
| INTERROGATOR, DME | | NAVIGATION, 727 | AIR | 257 P | | | | 66 | 2365 |
| INTERROGATOR, TRANS | | DME | AIR | 570 | | | | 66 | 2360 |
| INTERROGATOR, DME | | NAVIGATION-7-7-131B | AIR | 28CP | | | | 65 | 2364 |
| INTERROGATOR, DME | | NAVIGATION-7-7-331 | AIR | 34CP | | | | 66 | 2364 |
| INTERROGATOR, DME | | NAVIGATION, 880 | AIR | 54CP | | | | 65 | 2363 |
| INTERROGATOR, DME | | NAVIGATION, 331C/373C | AIR | 56CP | | | | 65 | 2363 |
| INTERROGATOR, DME | | NAVIGATION-7-7-131B | AIR | 67CP | | | | 66 | 2364 |
| INTERROGATOR, DME | | NAVIGATION-7-7-131 | AIR | 68CP | | | | 66 | 2364 |
| INTERROGATOR, DME | | NAVIGATION-7-7-331B | AIR | 85CP | | | | 66 | 2364 |
| INTERROGATOR, DME | | NAVIGATION-7-7-331B | AIR | 85CP | | | | 65 | 2364 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 428 INSTRUMENTS | UPPER PART | YR | CROSS |
|-------------------|---------------------------------|--------------|---------------|-----------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | NO CONF LIMIT | NO DATA INDEX |
| ENVIRONMENT RATE | | | | |
| HOURS | | | | |
| RPT SRCE REF NO | | | | |
| .00 M.O.C. | | | | |
| INTERROGATOR-DME | NAVIGATION-707-131 | AIR | 850P | 66 2364 3018000 |
| INTERROGATOR-DME | NAVIGATION-331C/373C | AIR | 1020P | 66 2363 3015000 |
| INTERROGATOR-DME | NAVIGATION-880 | AIR | 1060P | 66 2363 3015200 |
| INTERROGATOR-DME | NAVIGATION-707-131 | AIR | 1090P | 65 2364 3015400 |
| INTERROGATOR-DME | NAVIGATION-707-331B | AIR | 1170P | 66 2364 3015600 |
| INTERROGATOR-DME | NAVIGATION-707-131B | AIR | 1180P | 66 2364 3015800 |
| INTERROGATOR-DME | NAVIGATION-707-331 | AIR | 1230P | 65 2364 3016000 |
| INTERROGATOR-DME | NAVIGATION-707-331 | AIR | 1280P | 65 2364 3016200 |
| INTERROGATOR-DME | NAVIGATION-880 | AIR | 1280P | 65 2363 3016400 |
| INTERROGATOR-DME | NAVIGATION-707-131 | AIR | 1330P | 65 2364 3016600 |
| INTERROGATOR-DME | NAVIGATION-331C/373C | AIR | 1610P | 66 2363 3016800 |
| INTERROGATOR-DME | NAVIGATION-727 | AIR | 1650P | 66 2363 3017000 |
| INTERROGATOR-DME | NAVIGATION-880 | AIR | 2010P | 66 2363 3017200 |
| INTERROGATOR-DME | NAVIGATION-707-131B | AIR | 2090P | 65 2364 3017400 |
| INTERROGATOR-DME | NAVIGATION-707-331 | AIR | 2190P | 66 2364 3017600 |
| INTERROGATOR-DME | NAVIGATION-727 | AIR | 2390P | 66 2363 3017800 |
| INTERROGATORS-DME | NAVIGATION-707-131 | AIR | 220P | 66 2361 3018000 |
| INTERROGATORS-DME | NAVIGATION-707-131 | AIR | 230P | 66 2361 3018200 |
| INTERROGATORS-DME | NAVIGATION-707-131 | AIR | 260P | 65 2361 3018400 |
| INTERROGATORS-DME | NAVIGATION-707-331B | AIR | 340 | 65 2361 3018600 |
| INTERROGATORS-DME | NAVIGATION-707-131B | AIR | 400P | 66 2361 3018800 |
| INTERROGATORS-DME | NAVIGATION-707-131B | AIR | 410P | 66 2361 3019000 |
| INTERROGATORS-DME | NAVIGATION-707-331B | AIR | 460P | 66 2361 3019200 |
| INTERROGATORS-DME | NAVIGATION-707-131 | AIR | 483.87 | 66 2134 3019400 |
| INTERROGATORS-DME | NAVIGATION-707-331B | AIR | 620P | 66 2361 3019600 |
| INTERROGATORS-DME | NAVIGATION-707-131B | AIR | 630P | 66 2361 3019800 |
| INTERROGATORS-DME | NAVIGATION-707-131B | AIR | 660P | 65 2361 3020000 |
| INTERROGATORS-DME | NAVIGATION-707-131B | AIR | 1176.6 | 66 2131 3020200 |
| INTERROGATORS-DME | NAVIGATION-707-131B | AIR | 1310P | 66 2361 3020400 |
| INTERROGATORS-DME | NAVIGATION-707-331B | AIR | 1400P | 66 2361 3020600 |
| INTERROGATORS-DME | NAVIGATION-707-331 | AIR | 1450P | 66 2361 3020800 |
| INTERROGATORS-DME | NAVIGATION-707-131B | AIR | 1590P | 65 2361 3021000 |
| INTERROGATORS-DME | NAVIGATION-707-331 | AIR | 1670P | 66 2361 3021200 |
| INTERROGATORS-DME | NAVIGATION-707-131 | AIR | 1773.64 | 66 2132 3021400 |
| INTERROGATORS-DME | NAVIGATION-707-331 | AIR | 2090P | 65 2361 3021600 |
| INTERROGATORS-DME | NAVIGATION-707-331 | AIR | 2110P | 66 2361 3021800 |
| INTERVAL Meters | AJB-3A-LIB-BOB-RELEASE-COMP | AIR | 15.0693 | 65 1188 3022000 |
| INTERVAL Meters | BOB-RELEASE | AIR | 158.846 | 66 241 3022200 |
| INTERVAL Meters | BOB-NAVIGATION-SYSTEM | AIR | 167.504 | 66 1111 3022400 |
| INTERVAL Meters | CAMERA-CONTROL-SYSTEM-8-80 | AIR | 190.476 | 65 1082 3022600 |
| INTERVAL Meters | CAMERA-CONTROL-SYSTEM-8-80 | AIR | 251.256 | 65 1111 3022800 |
| INTERVAL Meters | CAMERA-CONTROL-SYSTEM-8-80 | AIR | 527.242 | 65 1080 3023000 |
| INTERVAL Meters | CONVERTER-CAMERA-COMTROL-SYSTEM | AIR | 861.244 | 63 1196 3023200 |
| INTERVAL Meters | CONVERTER-CAMERA-COMTROL-SYSTEM | AIR | 888.888 | 63 1114 3023400 |
| INTERVAL Meters | CAMERA-CONTROL-SYSTEM-8-9A | AIR | 1148.32 | 63 1198 3023600 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1961

| PART CLASS | 420 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LATION HOURS | YR OF DATA | CROSS INDEX |
|---|----------------------------|------------------------|-------------|--------------|---------------------|-----------------|-------------------|------------|----------------|
| PART DESCRIPTION | | | | | | | | APT SRCE | REF NO |
| .00 M.O.C. | | | | | | | | | |
| INTERVAL METERS | CAMERA-CONTROL-SYSTEM.B-9A | AIR | 1333.33 | 1975.72 | 50 | .009 | 63 | 11.4 | 30230000 |
| INTERVAL METERS. | | AIR | 250 | 356.733 | 31 | .012 | 63 | 11.1 | 30240000 |
| SYNCHRONOUS SIGNAL.MIL-I-51492 | | | | | | | | | |
| INTERVAL METERS. INERTIA. SIGNAL.MIL-C-6782-A | | AIR | 166.666 | 443.525 | 31 | .012 | 63 | 11.1 | 30242000A |
| MACH METER | NAVIGATION.707-331B | AIR | 280P | * | | | 66 | 2361 | 30244000 |
| METER | NAVIGATION-SUBSYSTEM | AIR | * | 24.6768 | 4 | .09331 | 62 | 2322 | 30246000 |
| METER.FREQUENCY | SEARCH-RADAR-SUBSYSTEM | AIR | 324.675 | 545.96 | 2 | .02156 | 62 | 2322 | 30248000 |
| METER.FREQUENCY | ELECTRICAL-POWER.880 | AIR | 160P | | | | 65 | 2360 | 30250000 |
| METER.FREQUENCY | ELECTRICAL-POWER.727 | AIR | 270P | | | | 65 | 2360 | 30252000 |
| METER.FREQUENCY | ELECTRICAL-POWER.707-121B | AIR | 270P | | | | 66 | 2362 | 30254000 |
| METER.FREQUENCY | ELECTRICAL-POWER.707-531B | AIR | 280P | | | | 66 | 2362 | 30256000 |
| METER.FREQUENCY | ELECTRICAL-POWER.707-131 | AIR | 300P | | | | 65 | 2362 | 30258000 |
| METER.FREQUENCY | ELECTRICAL-POWER.707-331 | AIR | 310P | | | | 66 | 2362 | 30260000 |
| METER.FREQUENCY | ELECTRICAL-POWER.707-331 | AIR | 340P | | | | 65 | 2362 | 30262000 |
| METER.FREQUENCY | ELECTRICAL-POWER.707-131 | AIR | 690P | | | | 66 | 2362 | 30264000 |
| METER.FREQUENCY | ELECTRICAL-POWER.707-131 | AIR | 990P | | | | 66 | 2362 | 30266000 |
| METER.POWER | ELECTRICAL-POWER.707-131 | AIR | 60P | | | | 66 | 2362 | 30268000 |
| METER.POWER | ELECTRICAL-POWER.707-331 | AIR | 80P | | | | 66 | 2362 | 30270000 |
| METER.POWER | ELECTRICAL-POWER.707-131 | AIR | 80P | | | | 65 | 2362 | 30272000 |
| METER.POWER | ELECTRICAL-POWER.727 | AIR | 90P | | | | 65 | 2360 | 30274000 |
| METER.POWER | ELECTRICAL-POWER.727 | AIR | 120P | | | | 66 | 2360 | 30276000 |
| METER.FREQUENCY | ELECTRICAL-POWER.880 | AIR | 150P | | | | 66 | 2365 | 30278000 |
| METER.FREQUENCY | ELECTRICAL-POWER.880 | AIR | 160P | | | | 65 | 2365 | 30280000 |
| METER.FREQUENCY | NAVIGATION.727 | AIR | 240P | | | | 66 | 2365 | 30282000 |
| METER.FREQUENCY | NAVIGATION.727 | AIR | 330P | | | | 66 | 2365 | 30284000 |
| METER.FREQUENCY | ELECTRICAL-POWER.727 | AIR | 70P | | | | 66 | 2363 | 30286000 |
| METER.FREQUENCY | ELECTRICAL-POWER.727 | AIR | 100P | | | | 66 | 2365 | 30288000 |
| METER.FREQUENCY | ELECTRICAL-POWER.727 | AIR | 100P | | | | 65 | 2365 | 30290000 |
| METER.FREQUENCY | ELECTRICAL-POWER.331C/373C | AIR | 250P | | | | 66 | 2365 | 30292000 |
| METER.FREQUENCY | ELECTRICAL-POWER.860 | AIR | 40P | | | | 66 | 2365 | 30294000 |
| METER.FREQUENCY | | AIR | * | | 560.52 | | .005 | 61 | 1066 30296000 |
| METER.FREQUENCY | | AIR | * | | 209.327 | 3 | .011 | 62 | 1093 30300000 |
| METER.FREQUENCY | | AIR | * | | 177.123 | 4 | .012 | 62 | 1093 30302000 |
| METER.FREQUENCY | SIM AIR | SIM AIR | * | | 218.091 | 8 | .00828 | 64 | 1150 30304000A |
| METER.FREQUENCY | | AIR | * | | 767.533 | 1 | .003 | 62 | 1092 30306000 |
| METER.FREQUENCY | | AIR | * | | 575.65 | 2 | .004 | 62 | 1093 30308000 |
| METER.FREQUENCY | GRD | GRD | * | | 943.688 | | .00244 | 64 | 1180 30310000 |
| METER.FREQUENCY | | AIR | * | | 328.942 | | .007 | 61 | 1066 30312000 |
| METER.FREQUENCY | | AIR | * | | 767.533 | | .203 | 61 | 1062 30314000A |
| METER.FREQUENCY | | CRD | .025 | | | | | 62 | 241 30316000 |
| METER.FREQUENCY | | LAB | .29985 | .797946 | | | 6.67 | 58 | 212 30318000 |
| METER.FREQUENCY | | | .5 | | | | | 61 | 1071 30320000 |

ROME AIR DEVELOPMENT CENTER, WAFB, AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 428 INSTRUMENTS | FUNCTIONAL APPLICATION | FAILURE RATE | UPPER LIMIT | PART POPULATION | PART HOURS | YR DATA INDEX | CROSS REF |
|----------------------------|---------------------------------|------------------------|--------------|-------------|-----------------|------------|---------------|-----------|
| PART DESCRIPTION | | | ENVIRONMENT | | | | | |
| DO N.O.C. | | | | | | | | |
| METERS-AMPERE | HYDRA-MATIC-PROPELLER | AIR | 17.7177 | 35.5268 | 306 | .225 | 63 1114 | 3040000 |
| METERS-AMPERE | PROPELLER-ASSEMBLY | AIR | 20.0989 | 33.7168 | 300 | .5911 | 63 1198 | 3041000 |
| METERS-AMPERE | PROPELLER-ASSEMBLY | AIR | 26.2674 | 40.4692 | 150 | .3677 | 63 1198 | 3041200 |
| METERS-AMPERE-MICRO | | SUB | 91.7431 | 356.853 | 60 | .0109 | 63 1246 | 3041400 |
| METERS-AMPERE-MICRO | | SUB | 239.808 | 674.761 | 15 | .00417 | 63 1161 | 3041500 |
| METER-3-AMPERE-VISUAL | | SUB | 4 | 120.928 | 16 | .01206 | 63 1173 | 3041800 |
| METERS-CURRENT | | AIR | 47.7941 | 89.6983 | 1275 | .272 | 63 1253 | 3042000 |
| POWER-WARNING-FLAG | | | | | | | | |
| METERS-CURRENT | | AIR | 73.5294 | 113.284 | 638 | .136 | 63 1253 | 3042200 |
| SYNCHRONIZING | | | | | | | | |
| METERS-DC | | GEN | .64 | | | | 61 2N1 | 3042400 |
| METERS-DC-AMPERE | | AIR GND | 62.0155 | 100.734 | | .129 | 61 1097 | 3042500 |
| METERS-DC-AMPERE | | SIR AIR | 4605.2 | 2 | | .0035 | 64 1134 | 3042800 |
| METERS-DC-AMPERE | FLIGHT-INSTRUMENTATION | AIR | 11.7952 | 23.3714 | 200 | .33912 | 63 1198 | 3043000 |
| METERS-DC-AMPERE | FLIGHT-INSTRUMENTATION | AIR | 13.3779 | 26.1342 | 207 | .295 | 63 1114 | 3043200 |
| METER-DC-AMPERE | | LAB | 499.479 | 9 | | .00431 | 64 1134 | 3043400 |
| METER-PANEL | | | | | | | | |
| METER-DC-AMPERE | | LAB | 209.327 | 21 | | .011 | 66 1233 | 3043600 |
| METER-PANEL | | | | | | | | |
| METERS-DC-AMPERE-5 1/2-0PM | WATER-GENERATOR | GRD | 1123.21 | | | .00203 | 64 1188 | 3043800 |
| METERS-DC-AMPERE-LOAD | ENGINE-INSTRUMENTATION | HELI | 57.6034 | 153.823 | 40 | .0346 | 66 1257 | 3044000 |
| METERS-DC-AMPERE-LOAD | WATER-GENERATOR | HELI | 157.853 | 420.077 | 50 | .01267 | 66 1257 | 3044200 |
| METERS-DC-LOAD | ENGINE-INSTRUMENTATION | AIR | 6.4496 | 14.3374 | 400 | .46548 | 63 1198 | 3044400 |
| METERS-DC-LOAD | FLIGHT-INSTRUMENTATION | AIR | 11.5014 | 22.5116 | 408 | .353 | 63 1114 | 3044600 |
| METERS-DC-LOAD | FLIGHT-INSTRUMENTATION | AIR | 15.7595 | 25.7487 | 200 | .50763 | 63 1198 | 3044800 |
| METERS-DC-LOAD | FLIGHT-INSTRUMENTATION | AIR | 26.8456 | 52.6479 | 100 | .149 | 63 1114 | 3045000 |
| METERS-DC-LOAD | FLIGHT-INSTRUMENTATION | AIR | 29.488 | 54.6982 | 100 | .16956 | 63 1198 | 3045200 |
| METERS-DC-VOLT | FLIGHT-INSTRUMENTATION | AIR | 25.7798 | 57.4099 | 100 | .11637 | 63 1198 | 3045400 |
| METERS-DC-VOLT | FLIGHT-INSTRUMENTATION | AIR | 47.2775 | 82.6887 | 50 | .12691 | 63 1198 | 3045600 |
| METERS-DC-VOLT | FLIGHT-INSTRUMENTATION | AIR | 56.8181 | 105.194 | 102 | .088 | 63 1114 | 3045800 |
| METERS-DC-VOLT | FLIGHT-INSTRUMENTATION | AIR | 62.6666 | 123.662 | 50 | .075 | 63 1114 | 3046000 |
| METERS-DC-VOLT | FLIGHT-INSTRUMENTATION | AIR | 70.7714 | 124.228 | 50 | .08478 | 63 1198 | 3046200 |
| METERS-DRIFF | TV-VIEW-FINDER-FLIGHT-TRACK-NAV | AIR | 3062.2 | 3875.68 | 50 | .01015 | 63 1198 | 3046400 |
| METERS-DRIFF | TV-VIEW-FINDER-FLIGHT-TRACK-NAV | AIR | 3222.22 | 4135.16 | 50 | .009 | 63 1114 | 3046600 |
| METERS-ELAPSED-TIME | | AIR GND | 6.95 | | | | 66 216 | 3046800 |
| METERS-ELAPSED-TIME | | | 4.74893 | 18.6496 | | .21960 | 63 2228 | 3047000 |
| METERS-ELAPSED-TIME | | NSL | 500 | 1944.85 | | .002 | 53 212 | 3047200 |
| METERS-ELAPSED-TIME | | | 4.46144 | 7.50216 | | 1.2690 | 61 2228 | 3047400 |
| METERS-ELAPSED-TIME | ENGINE-TURBOJET-J-85 | AIR | 704.267 | 832.905 | 946 | .22854 | 63 1226 | 3047600 |
| METERS-ELAPSED-TIME | | AIR | | | | .04969 | 63 1123 | 3047800 |
| ELECTRICAL-SIGNAL-OUTPUT | | | | | | | | |
| METERS-FREQUENCY | AC-POWER-SYSTEM-INSTRUMENTATION | AIR | 80.9061 | 215.303 | 48 | .02412 | 65 1227 | 3048000 |
| METERS-FREQUENCY | INSTRUMENT-SYSTEM | AIR | 83.3481 | 131.561 | 63 | .10798 | 63 1114 | 3048200 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1963

| PART CLASS | 426 INSTRUMENTS | | | | | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR | CROSS INDEX |
|-------------------------|------------------------------------|-------------|--------------|---------|------|---------------------|-------------------|------------|-----------|-------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | | | | | | | |
| .00 M.O.C. | | | | | | | | | | |
| METERS-VOLT | AC-POWER-SYSTEM-INSTRUMENTATION | AIR | * | 55.9834 | 76 | .04113 | 66 | 12.6 | 30566000 | |
| METERS-VOLT | DC-POWER-SYSTEM-INSTRUMENTATION | AIR | 24.3131 | 94.5108 | 76 | .04113 | 66 | 12.6 | 30566000 | |
| METERS-VOLT-AC | ENGINE-INSTRUMENTATION | HELL | 185.185 | 720.314 | 20 | .0054 | 66 | 1257 | 30570000 | |
| METERS-VOLT-DC | GENERATOR | HELL | 147.053 | 572.014 | 20 | .0068 | 66 | 1257 | 30572000 | |
| METERS-VOLT-LOW-VOLTAGE | | SUB | 196.078 | 762.686 | 60 | .0051 | 65 | 1246 | 30574000A | |
| METERS-VOLT-LOW-VOLTAGE | | SUB | 209.79 | 467.188 | 60 | .0143 | 65 | 1246 | 30576000A | |
| METERS-WATT | | GEN | 20.85 | | | | 61 | 2N1 | 30578000 | |
| METERS/POINTERS-CURRENT | | AIR | 7.35294 | 14.694 | 2552 | .544 | 66 | 1253 | 30580000A | |
| FLIGHT DIRECTOR | | | | | | | | | | |
| MONITORS | GYRO-VERTICAL-FLT-DIR-SYS-MA-1 | AIR | * | 27.1597 | 50 | .08478 | 63 | 1198 | 30582000 | |
| MONITORS | GYRO-VERTICAL-FLT-DIR-SYS-MA-1 | AIR | 34.0909 | 75.9181 | 102 | .088 | 63 | 1114 | 30584000 | |
| MONITORS | GYRO-VERTICAL-FLT-DIR-SYS-MA-1 | AIR | 39.3979 | 73.0809 | 50 | .12591 | 65 | 1198 | 30586000 | |
| POWER | ROLL-YAW-STABILIZATION-TRIM-SYSTEM | AIR | 40.824 | 59.5336 | | .31844 | 63 | 1123 | 30588000 | |
| POWER-METER | F-111 | AIR | 1663.82 | 4137.97 | | .00094 | 62 | 2700 | 30590000 | |
| PRESSURE | F-111 | AIR | 2631.57 | 7003.02 | | .00076 | 62 | 2700 | 30592000 | |
| TACHOMETER | DISCHARGE | GRD | 1.58805 | 4.22686 | 150 | 1.2594 | 65 | 1213 | 30594000A | |
| TACHOMETER | | AIR SHP GRD | 7.24637 | 28.1862 | | .138 | 57 | 212 | 30596000 | |
| TACHOMETER | STABILIZATION-SUBSYSTEM | AIR | 37.5 | | | | 57 | 211 | 30598000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-880 | AIR | 162.311 | 250.067 | 3 | .06161 | 62 | 2322 | 30600000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-707-331 | AIR | 40P | | | | 65 | 2360 | 30602000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-880 | AIR | 40P | | | | 65 | 2362 | 30604000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-707-131 | AIR | 40P | | | | 66 | 2360 | 30606000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-707-131 | AIR | 40P | | | | 65 | 2362 | 30608000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-707-131B | AIR | 60P | | | | 66 | 2362 | 30610000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-880 | AIR | 80P | | | | 65 | 2362 | 30612000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-707-131S | AIR | 90P | | | | 65 | 2365 | 30614000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-880 | AIR | 110P | | | | 66 | 2362 | 30616000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-707-131 | AIR | 110P | | | | 66 | 2365 | 30618000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-707-331 | AIR | 130P | | | | 66 | 2362 | 30620000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-707-131B | AIR | 150P | | | | 66 | 2362 | 30622000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-880 | AIR | 190P | | | | 66 | 2362 | 30624000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-880 | AIR | 240P | | | | 66 | 2360 | 30626000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-707-331 | AIR | 310P | | | | 66 | 2365 | 30628000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-707-331 | AIR | 80P | | | | 66 | 2362 | 30630000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-707-131 | AIR | 80P | | | | 66 | 2364 | 30632000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-707-331 | AIR | 80P | | | | 66 | 2364 | 30634000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-707-331 | AIR | 120P | | | | 66 | 2364 | 30636000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-707-131B | AIR | 170P | | | | 65 | 2364 | 30638000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-707-131 | AIR | 170P | | | | 65 | 2364 | 30640000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-707-131B | AIR | 180P | | | | 66 | 2364 | 30642000 | |
| TACHOMETER-GENERATOR | ENGINE-INDICATING-707-131B | AIR | 210P | | | | 66 | 2364 | 30644000 | |
| TACHOMETERS | | GRD | * | 79.4 | 27 | .029 | 65 | 1193 | 30648000 | |
| TACHOMETERS | | LAE | .3 | | | | 63 | 1128 | 30650000 | |
| TACHOMETERS | | GEN | .3 | | | | U | 2001 | 30652000 | |

| ROME AIR DEVELOPMENT CENTER, URIFISS AFB, N.Y. | NON-ELECTRONIC PART FAILURE RATE DATA | JANUARY 1968 |
|--|---------------------------------------|--------------|
| SECTION 1 | FAILURE RATE DATA | |

| PART CLASS | 428 INSTRUMENTS | UPPER | PART | YR | CROSS |
|--------------------|-------------------------------------|---------------------|----------------|---------------|-----------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | 90 CMF | PPU- LATION | PART HOURS | 3F DATA INDEX |
| | | FAILURE RATE | ENVIRONMENT | | RPT SRCE REF NO |
| .00 M.O.C. | | | | | |
| TACHOMETERS | GENERAL | 20 | LAB | 61 1086 | 30654000 |
| TACHOMETERS | GENERAL | 22 | AIR | 58 2001 | 30656000 |
| TACHOMETERS | GENERAL | 23 | AIR | U 2001 | 30658000 |
| TACHOMETERS | GENERAL | 40 | LAB | 61 1086 | 30660000 |
| TACHOMETERS | GENERAL | 45 | AIR | 58 2001 | 30662000 |
| TACHOMETERS | ENGINE | 55-5555 | 215.094 64 | 59 1110 | 30664000 |
| TACHOMETERS | GENERATOR.AC-ENGINE-INSTRUMENTATION | 57.8034 | 115.513 80 | 66 1277 | 30666000 |
| TACHOMETERS | BOMB-NAVIGATION | 110 | AIR | 58 2001 | 30668000 |
| TACHOMETERS | GENERATOR.AC-ENGINE-INSTRUMENTATION | 184.231 | 450.534 40 | 66 1257 | 30670000 |
| TACHOMETERS | GENERAL | 585 | AIR | U 2001 | 30672000 |
| TACHOMETERS | GENERAL | 490 | AIR | 57 2001 | 30674000 |
| TACHOMETERS | GENERAL | 720 | AIR | U 2001 | 30676000 |
| TACHOMETERS | GENERAL | 1750 | AIR | 57 2001 | 30678000 |
| TACHOMETERS | GENERAL | .5 | MSL | 65 2440 | 30680000 |
| TACHOMETERS | ENGINE-ROTOR | 261.622 | 381.524 | 63 1123 | 30682000 |
| TACHOMETERS | ENGINE-ROTOR | 75.815 | 294.897 45 | 64 1244 | 30684000 |
| TACHOMETERS | GENERAL | 160 | AIR | U 2001 | 30686000 |
| TACHOMETERS | GENERAL | 620 | AIR | U 2001 | 30688000 |
| TACHOMETERS | GENERAL | 590 | AIR | 57 2001 | 30690000 |
| TACHOMETERS | GENERAL | 840 | AIR | 58 2001 | 30692000 |
| TACHOMETERS | POWER-TURBINE/ROTOR-SPEED | 1433.33 | 1756.2 120 | 65 1215 | 30694000 |
| TACHOMETERS | POWER-TURBINE/ROTOR-SPEED | 272.897 | 304.18 755 | 66 1234 | 30696000 |
| GENERATOR.M52094-2 | | | | | |
| TACHOMETERS | ENGINE-INDICATING.707-131 | 30P | AIR | 66 2361 | 30698000 |
| TACHOMETERS | ENGINE-INDICATING.707-131 | 60P | AIR | 66 2361 | 30700000 |
| TACHOMETERS | ENGINE-INDICATING.707-131B | 70P | AIR | 66 2361 | 30702000 |
| TACHOMETERS | ENGINE-INDICATING.707-331 | 100P | AIR | 65 2361 | 30704000 |
| TACHOMETERS | ENGINE-INDICATING.707-131B | 100P | AIR | 66 2361 | 30706000 |
| TACHOMETERS | ENGINE-INDICATING.707-331 | 140P | AIR | 66 2361 | 30708000 |
| TACHOMETERS | ENGINE-INDICATING.707-131B | 170P | AIR | 65 2361 | 30710000 |
| TACHOMETERS | ENGINE-INDICATING.707-131B | 185.185 | 720.214 20 | 66 1257 | 30712000 |
| GAS-PROD | | | | | |
| TORQUEMETERS | REDUCTION-GEAR | 4.01103 | 4.51526 1716 | 65 1201 | 30714000A |
| TORQUEMETERS | REDUCTION-GEAR | 7.16319 | 14.3148 708 | 65 1201 | 30716000 |
| TORQUEMETERS | PHASE-DETECTOR-ASSEMBLY | 333.333 | 431.595 192 | 64 1144 | 30718000 |
| .03 ALTITUDE | | | | | |
| ALTIMETER | NAVIGATION.880 | AIR SMP GRD 32.6086 | 51.471 | 59 212 | 30720000 |
| ALTIMETER | NAVIGATION.880 | AIR | 80P | 66 2365 | 30722000 |
| ALTIMETER | NAVIGATION.707-131B | AIR | 130P | 66 2362 | 30724000 |
| ALTIMETER | NAVIGATION.707-131B | AIR | 130P | 66 2364 | 30726000 |
| ALTIMETER | NAVIGATION.880 | AIR | 160P | 66 2365 | 30728000 |
| ALTIMETER | FLIGHT-INSTRUMENT-SYSTEM | 183.436 | 209.988 597 | 67 1272 | 30730000A |
| ALTIMETER | NAVIGATION.880 | AIR | 230P | 65 2363 | 30732000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 428 INST. UMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|--------------|------------------|-------------------------------------|-------------|--------------|---------------------|-------------------|------------|------------|---------------|
| -03 ALTITUDE | | | | | | | | | |
| ALTIMETER | | NAVIGATION.880 | AIR | 230P | | | | 66 | 2360 30730000 |
| ALTIMETER | | NAVIGATION.880 | AIR | 250P | | | | 66 | 2363 30750000 |
| ALTIMETER | | | AIR GND | 345 | | | | 61 | 212 30730000 |
| ALTIMETER | | | AIR | 345 | | | | 57 | 211 30740000 |
| ALTIMETER | | NAVIGATION.727 | AIR | 1360P | | | | 66 | 2363 30740000 |
| ALTIMETER | | NAVIGATION.727 | AIR | 1790P | | | | 65 | 2360 30740000 |
| ALTIMETER | | NAVIGATION.727 | AIR | 1840P | | | | 66 | 2360 30740000 |
| ALTIMETER | | NAVIGATION.727 | AIR | 1978.94 | 2177.03 | | .095 | 63 | 2130 30740000 |
| ALTIMETER | | NAVIGATION.727 | AIR | 2060P | | | | 66 | 2360 30750000 |
| ALTIMETER | | NAVIGATION.727 | AIR | 2130P | | | | 65 | 2365 30750000 |
| ALTIMETER | | NAVIGATION.727 | AIR | 2390P | | | | 65 | 2363 30754000 |
| ALTIMETER | | NAVIGATION.727 | AIR | 2590P | | | | 66 | 2363 30756000 |
| ALTIMETER | | NAVIGATION.727 | AIR | 2670P | | | | 66 | 2365 30758000 |
| ALTIMETER | | NAVIGATION.727 | AIR | 2730P | | | | 66 | 2365 30760000 |
| ALTIMETER | | AIR-CONDITIONING.727 | AIR | 2929.36 | 3025.79 | | .538 | 63 | 2112 30762000 |
| ALTIMETER | CABIN | AIR-CONDITIONING.727 | AIR | 210P | | | | 66 | 2365 30764000 |
| ALTIMETER | CABIN | AIR-CONDITIONING.727 | AIR | 300P | | | | 65 | 2365 30766000 |
| ALTIMETER | CABIN | AIR-CONDITIONING.707-331 | AIR | 310P | | | | 66 | 2362 30768000 |
| ALTIMETER | CABIN | AIR-CONDITIONING.707-131 | AIR | 490P | | | | 66 | 2362 30770000 |
| ALTIMETER | CABIN-3-POINT | AIR-CONDITIONING.707-131B | AIR | 290P | | | | 66 | 2362 30772000 |
| ALTIMETER | CABIN-3-POINT | AIR-CONDITIONING.707-131B | AIR | 320P | | | | 65 | 2362 30774000 |
| ALTIMETER | CABIN-3-POINT | AIR-CONDITIONING.707-131B | AIR | 400P | | | | 66 | 2362 30776000 |
| ALTIMETER | CABIN-3-POINT | AIR-CONDITIONING.707-331B | AIR | 490P | | | | 66 | 2362 30778000 |
| ALTIMETER | CABIN-3-POINT | AIR-CONDITIONING.707-331B | AIR | 850P | | | | 66 | 2362 30780000 |
| ALTIMETER | INDICATOR.R/C | CADC-SYSTEM.FLIGHT-INSTRUMENTATION | AIR | 1738.39 | 1939.91 | 152 | .08226 | 66 | 1250 30782000 |
| ALTIMETER | PRESSURE | STANDBY.FLIGHT-INSTRUMENTATION | AIR | 72.9394 | 162.431 | 76 | .04113 | 66 | 1250 30784000 |
| ALTIMETER | PRESSURE | FLIGHT-INSTRUMENTATION | AIR | 133.722 | 201.776 | 152 | .06226 | 66 | 1250 30786000 |
| ALTIMETER | PRESSURE | | AIR | 1456.02 | 1505.31 | 1194 | .10357 | 67 | 1272 30788000 |
| ALTIMETER | RADIO | | AIR | 108.774 | 242.233 | | .02758 | 66 | 2131 30790000 |
| ALTIMETERS | | CABIN.AIR-COND/PRESSURZN | AIR | * | 192.847 | 31 | .01194 | 63 | 1111 30792000 |
| ALTIMETERS | | NAVIGATION.707-131B | AIR | 60P | | | | 66 | 2361 30794000 |
| ALTIMETERS | | CABIN.AIR-COND/PRESSURZN | AIR | 68.7462 | 111.667 | 100 | .11637 | 65 | 1198 30796000 |
| ALTIMETERS | | COCKPIT-PRESSURE | AIR | 93.4907 | 151.86 | | .08557 | 63 | 1123 30798000 |
| ALTIMETERS | | CABIN.AIR-COND/PRESSURZN | AIR | 11.272 | 161.431 | 102 | .088 | 63 | 1114 30800000 |
| ALTIMETERS | | CABIN.AIR-COND/PRESSURZN | AIR | 106.566 | 173.262 | 50 | .075 | 63 | 1114 30802000 |
| ALTIMETERS | | CABIN.AIR-COND/PRESSURZN | AIR | 117.952 | 181.725 | 50 | .08478 | 63 | 1198 30804000 |
| ALTIMETERS | | PITOT-STATIC-SYS.FLT-INSTRUMENTN | AIR | 0.434 | 228.958 | 204 | .046 | 63 | 1114 30806000 |
| ALTIMETERS | | CABIN.AIR-COND/PRESSURZN | AIR | 173.351 | 231.031 | 50 | .12691 | 65 | 1198 30808000 |
| ALTIMETERS | | NAVIGATION.707-131B | AIR | 180P | | | | 66 | 2361 30810000 |
| ALTIMETERS | | PITOT-STATIC-SYS.FLIGHT-INSTRUMENTN | AIR | 264.15 | 309.396 | 506 | .265 | 63 | 1114 30812000 |
| ALTIMETERS | | FLIGHT-INSTRUMENT-SYSTEM | AIR | 285.714 | 570.967 | 48 | .014 | 59 | 1110 30814000 |
| ALTIMETERS | | INSTRUMENT-SYSTEM | AIR | 294.022 | 330.361 | 252 | .43194 | 65 | 1155 30816000 |
| ALTIMETERS | | PITOT-STATIC-SYS.FLT-INSTRUMENTN | AIR | 304.885 | 344.238 | 150 | .38072 | 65 | 1198 30818000 |
| ALTIMETERS | | PITOT-STATIC-SYS.FLT-INSTRUMENTN | AIR | 342.061 | 394.023 | 150 | .25434 | 63 | 1198 30820000 |
| ALTIMETERS | | PITOT-STATIC-SYS.FLIGHT-INSTRUMENTN | AIR | 355.555 | 412.12 | 150 | .225 | 63 | 1114 30822000 |

JANUARY 1968

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

| SECTION 1 FAILURE RATE DATA | | | | | | | | | | | |
|----------------------------------|---------------------------------|------------------------|---------|---------|-------------|--------------|-------------|-----------------|------------|----|----------------------|
| PART CLASS | 428 INSTRUMENTS | FUNCTIONAL APPLICATION | | | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART POPULATION | PART HOURS | YR | CROSS REF DATA INDEX |
| PART DESCRIPTION | | | | | | | | | | | |
| .03 ALTITUDE | | | | | | | | | | | |
| ALTIMETERS | PITOT-STATIC-SYS.FLT-INSTRUMENT | AIR | 418.206 | 466.146 | 300 | .34911 | 65 | 1138 | 30824000 | | |
| ALTIMETERS | FLIGHT-INSTRUMENT-SYSTEM | AIR | 1163.28 | 1265.34 | 946 | .22854 | 65 | 1218 | 30826000 | | |
| ALTIMETERS | | AIR | 1571.42 | 2094.3 | 92 | .014 | 61 | 1080 | 30828000 | | |
| ALTIMETERS | FLIGHT-INSTRUMENT-SYSTEM | AIR | 1705.45 | 1838.92 | 812 | .17532 | 64 | 1179 | 30830000 | | |
| ALTIMETERS-CABIN | AIR-CONDITIONING-707-131 | AIR | 230P | | | | 66 | 2361 | 30832000 | | |
| ALTIMETERS-CABIN | AIR-CONDITIONING-707-331 | AIR | 260P | | | | 65 | 2361 | 30834000 | | |
| ALTIMETERS-CABIN | AIR-CONDITIONING-707-331 | AIR | 280P | | | | 66 | 2361 | 30836000 | | |
| ALTIMETERS-CABIN | AIR-CONDITIONING-707-331 | AIR | 310P | | | | 66 | 2364 | 30838000 | | |
| ALTIMETERS-CABIN | AIR-CONDITIONING-707-131 | AIR | 450P | | | | 66 | 2364 | 30840000 | | |
| ALTIMETERS-CABIN | AIR-CONDITIONING-707-331 | AIR | 670P | | | | 66 | 2364 | 30842000 | | |
| ALTIMETERS-CABIN | AIR-CONDITIONING-707-131B | AIR | 130P | | | | 65 | 2361 | 30844000 | | |
| ALTIMETERS-CABIN, 3-POINT | AIR-CONDITIONING-707-331B | AIR | 340P | | | | 65 | 2361 | 30846000 | | |
| ALTIMETERS-CABIN, 3-POINT | AIR-CONDITIONING-707-131B | AIR | 360P | | | | 65 | 2361 | 30848000 | | |
| ALTIMETERS-CABIN, 3-POINT | AIR-CONDITIONING-707-331B | AIR | 510P | | | | 66 | 2364 | 30850000 | | |
| ALTIMETERS-CABIN, 3-POINT | AIR-CONDITIONING-707-131B | AIR | 530P | | | | 66 | 2364 | 30852000 | | |
| ALTIMETERS-CABIN, 3-POINT | AIR-CONDITIONING-707-131B | AIR | 570P | | | | 66 | 2361 | 30854000 | | |
| ALTIMETERS-CABIN, 3-POINT | AIR-CONDITIONING-707-331B | AIR | 580P | | | | 66 | 2364 | 30856000 | | |
| ALTIMETERS-CABIN, 3-POINT | AIR-CONDITIONING-707-131B | AIR | 700P | | | | 65 | 2364 | 30858000 | | |
| ALTIMETERS-CABIN, 3-POINT | AIR-CONDITIONING-707-331B | AIR | 850P | | | | 65 | 2364 | 30860000 | | |
| ALTIMETERS-COUNTER-POINTER | | AIR | 50.7246 | 85.2963 | | .13F | 59 | 1070 | 30862000 | | |
| ALTIMETERS-COUNTER-POINTER | | AIR | 9494.64 | 11234.6 | 43 | .00653 | 66 | 1240 | 30864000A | | |
| 2-ANEROID-DIAPHRAGM | | AIR | 361.111 | 526.609 | 93 | .036 | 63 | 1111 | 30866000 | | |
| ALTIMETERS-DIAL.MC-1.MIL-A-25527 | R/C-CADC-SYS.FLT-INSTR | AIR | 1334.95 | 1571.2 | 96 | .04944 | 65 | 1227 | 30868000 | | |
| ALTIMETERS-INDICATOR | FLIGHT-INSTR | AIR | 14.1565 | 23.8084 | 96 | .4944 | 65 | 1227 | 30870000 | | |
| ALTIMETERS-PRESSURE | | AIR | 30.6748 | 56.9 | | .163 | 61 | 1083 | 30872000 | | |
| ALTIMETERS-PRESSURE | STANDBY-FLIGHT-INSTR | AIR | 80.9061 | 215.303 | 48 | .02472 | 65 | 1227 | 30874000 | | |
| ALTIMETERS-PRESSURE | | AIR | 184.21 | 247.23 | | .114 | 61 | 1084 | 30876000 | | |
| ALTIMETERS-PRESSURE | | AIR | 190.476 | 280.645 | | .071 | 61 | 1082 | 30878000 | | |
| ALTIMETERS-PRESSURE | INTEGRATED-INSTRUMENT-SYSTEM | SIM GRD AIR | 718.75 | 951.665 | 139 | .032 | 63 | 1117 | 30880000 | | |
| ALTIMETERS-PRESSURE | INTEGRATED-INSTRUMENT-SYSTEM | SIM GRD AIR | 829.151 | 1029.6 | 195 | .03583 | 64 | 1181 | 30882000 | | |
| ALTIMETERS-PRESSURE | | MELI | 228.91 | 276.864 | 302 | .214 | 66 | 1234 | 30884000 | | |
| 5000-FT.MS28044-4 | | | | | | | | | | | |
| ALTIMETERS-RECORDER-WEATHER | AN/ASH-13.MA-1.HIRAN | AIR | 95.6937 | 372.22 | 50 | .01045 | 63 | 1198 | 30886000 | | |
| ALTIMETERS-RECORDER-WEATHER | AN/ASH 13.MA-1.HIRAN | AIR | 111.111 | 432.188 | 50 | .009 | 63 | 1114 | 30888000 | | |
| ALTIMETERS-STANDBY-TYPE- | | AIR | 1666.66 | 1952.14 | 302 | .042 | 61 | 1080 | 30890000 | | |
| AAU-27A | | | | | | | | | | | |
| ALTIMETERS-BAROMETRIC | | AIR | 1515.15 | 893.48 | 5 | .00066 | 62 | 1157 | 30892000 | | |
| ALTIMETERS-BAROMETRIC | | MELI | 366.666 | 468.67 | 240 | .06 | 65 | 1215 | 30894000 | | |
| MIL-A-6863 | | | | | | | | | | | |
| CABIN | AIR-CONDITIONING-680 | AIR | 290P | | | | 66 | 2360 | 30896000 | | |
| CABIN | AIR-CONDITIONING-68C | AIR | 300P | | | | 66 | 2360 | 30898000 | | |
| CABIN | AIR-CONDITIONING-727 | AIR | 370P | | | | 66 | 2360 | 30900000 | | |

096 : AVEF0007

490

RGME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 42E INSTRUMENTS | UPPER | PART | YK | CROSS |
|-----------------------------|----------------------------|--------------|---------------|-------------------|-------------------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | 90 CONF LIMIT | PART LATION HOURS | 90 DATA INDEX RPT SRCE REF NO |
| .15 DIRECTION | | | | | |
| COMPASSES-MAGNETIC-FLOATED | AIR | 714.295 | 1100.47 | .014 | 61 1082 30978000 |
| COMPASSES-MAGNETIC-GYRO | AIR | 921.273 | 1350.12 | .0194 | 63 1111 30980000 |
| COMPASSES-MAGNETIC-MOUNTED | AIR | 399.698 | 437.705 | .51769 | 61 1272 30982000A |
| COMPASSES-MAGNETIC-REMOTE | AIR | * | 328.942 | .607 | 61 1082 30984000 |
| COMPASSES-MAGNETIC-REMOTE | AIR | * | 40.3584 | .037 | 61 1084 30986000 |
| COMPASSES-MAGNETIC-REMOTE | AIR | 92.0245 | 130.628 | .163 | 61 1083 30988000 |
| COMPASSES-MAGNETIC-STANDBY | AIR | 201.277 | 266.503 | .11427 | 65 1228 30990000 |
| COMPASSES-MAGNETIC-STANDBY | AIR | 444.9 | 550.868 | .08766 | 64 1179 30992000 |
| COMPASSES-MAGNETIC-STANDBY | HELI | 168.224 | 231.367 | .107 | 66 1234 30994000 |
| AN57614 | | | | | |
| COMPASSES-MAGNETIC-STANDBY | AIR | 250 | 556.733 | .012 | 63 1111 30996000 |
| MIL-1-5634 | | | | | |
| COMPASSES-STANDBY | INSTRUMENT-SYSTEM | 46.3048 | 85.4927 | .10798 | 65 1155 30998000 |
| COMPASSES-STANDBY | NAVIGATION-INSTRUMENTATION | 66.6666 | 259.313 | .015 | 63 1114 31000000 |
| COMPASSES-STANDBY | NAVIGATION-INSTRUMENTATION | 66.7462 | 111.667 | .11617 | 65 1198 31002000 |
| COMPASSES-STANDBY | NAVIGATION-INSTRUMENTATION | 90.909 | 147.667 | .088 | 63 1114 31004000 |
| COMPASSES-STANDBY | NAVIGATION-INSTRUMENTATION | 126.073 | 176.905 | .12691 | 65 1198 31006000 |
| COMPASSES-STANDBY | FLIGHT-INSTRUMENTATION | 185.185 | 720.314 | .0054 | 66 1257 31008000 |
| COMPASSES-STANDBY | FLIGHT-INSTRUMENTATION | 231.213 | 375.569 | .0346 | 66 1257 31010000 |
| COMPASSES-STANDBY | AIR | 288.85 | 535.8 | .01731 | 66 1241 31012000A |
| COMPASSES-STANDBY | AIR | 288.85 | 535.8 | .01731 | 65 1186 31014000 |
| COMPASSES-STANDBY | NAVIGATION-INSTRUMENTATION | 389.242 | 491.318 | .08478 | 63 1198 31016000 |
| COMPASSES-STANDBY | AIR | 400 | 106.46 | .005 | 59 1110 31018000 |
| COMPASSES-STANDBY | NAVIGATION-INSTRUMENTATION | 440 | 555.386 | .075 | 63 1114 31020000 |
| COMPASSES-STANDBY | NAVIGATION | 500P | | | 65 2330 31022000 |
| COMPASSES-STANDBY | AIR | 872.727 | 1037.4 | .055 | 61 1080 31024000 |
| COMPASSES-STANDBY-MIL-C-560 | NAVIGATION-703-1318 | 101 | 222.693 | .03 | 65 1215 31026000 |
| INDICATOR-COURSE | IFS | 290 | | | 66 2380 31028000 |
| INDICATOR-COURSE | IFS | 760 | | | 66 2380 31030000 |

.25 ELECTRICAL, N.O.C.

| | | | | | |
|-------------------|----------------------|---------|---------|--------|------------------|
| DIGITAL-VOLTMETER | F-111 | 1142.13 | 1570.83 | .01576 | 62 2700 31032000 |
| DIGITAL-VOLTMETER | F-111 | 1666.66 | 4435.25 | .00120 | 62 2700 31034000 |
| GALVANOMETERS | AIR | 85.7142 | 127.011 | .14 | 61 1082 31036000 |
| GALVANOMETERS | AIR | 89.051 | 105.519 | .685 | 61 1084 31038000 |
| GALVANOMETERS | AIR | 1225.3 | 1307.93 | .324 | 61 1083 31040000 |
| GALVANOMETERS | SHP | 2.16 | | | 61 212 31042000 |
| GALVANOMETERS | GRD | 10.7526 | 26.6145 | .180 | 57 212 31044000 |
| GALVANOMETERS | AIR GND | 63.8297 | 87.7882 | .282 | 57 212 31046000 |
| RMS-VOLTMETER | AIR | 3846.15 | 10235.1 | .00052 | 62 2700 31048000 |
| VOLTMETER | AIR | 293.68 | 325.945 | .538 | 63 2112 31050000 |
| VOLTMETER-AC | ELECTRICAL-POWER-88C | 150P | | | 66 2363 31052000 |
| VOLTMETER-AC | ELECTRICAL-POWER-727 | 210P | | | 66 2365 31054000 |
| VOLTMETER-AC | ELECTRICAL-POWER-727 | 370P | | | 66 2360 31056000 |

NAME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 420 INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | VR OF DATA | CROSS INDEX |
|-----------------------|---------------------------|------------------------|-------------|--------------|---------------------|-------------|------------|-------------|
| PART DESCRIPTION | | | | | | | REF | NO |
| 25 ELECTRICAL, N.G.C. | | | | | | | | |
| VOLTMETER-DC | ELECTRICAL-POWER-880 | AIR | 140P | | | | 66 2365 | 31090000 |
| VOLTMETER-DC | ELECTRICAL-POWER-680 | AIR | 160P | | | | 66 2365 | 31060000 |
| VOLTMETER-DC | ELECTRICAL-POWER-727 | AIR | 190P | | | | 66 2365 | 31062000 |
| VOLTMETER-DC | ELECTRICAL-POWER-727 | AIR | 260P | | | | 66 2365 | 31064000 |
| VOLTMETERS-AC | ELECTRICAL-POWER-707-351 | AIR | 310P | | | | 66 2364 | 31066000 |
| VOLTMETERS-DC | ELECTRICAL-POWER-707-131B | AIR | 150P | | | | 66 2364 | 31068000 |

74 TEMPERATURE

| | | | | | | | | | |
|----------------------|--------------------------------|------|--|---------|---------|-----|--------|---------|----------|
| BULBS-NEON (STORAGE) | | | | | | | 9.672 | 66 253 | 31070000 |
| BULBS | FUEL-ENGINE-INLET | AIR | | 12.154 | 47.2834 | 132 | .68226 | 66 1250 | 31072000 |
| BULBS | MANIFOLD-OIL-TRANSMISSION | HELI | | 28.9017 | 112.419 | 40 | .0246 | 66 1237 | 31074000 |
| BULBS | ENGINE-OIL-TEMPERATURE | AIR | | 35.1063 | 122.358 | 304 | .1645 | 66 1250 | 31076000 |
| BULBS | EXIT-PRIMARY-HEAT-EXCHANGER | AIR | | 109.409 | 172.696 | 132 | .08226 | 66 1230 | 31078000 |
| BULBS | CSD-OIL-TEMPERATURE | AIR | | 474.164 | 550.659 | 304 | .1645 | 66 1250 | 31080000 |
| BULBS-TEMPERATURE | COMPUTER-GROUP-ASO-15 | AIR | | | 192.847 | 31 | .01194 | 63 1111 | 31082000 |
| BULBS-TEMPERATURE | FUEL-ENGINE-INLET | AIR | | | 46.5736 | 96 | .04944 | 65 1227 | 31084000 |
| BULBS-TEMPERATURE | EMPENNAGE-ANTI-ICE/DE-ICE | AIR | | 4.29444 | 16.7126 | 200 | .23274 | 63 1133 | 31086000 |
| BULBS-TEMPERATURE | WING-ANTI-ICE/DE-ICE-SYSTEMS | AIR | | 10.7416 | 19.425 | 400 | .46548 | 65 1198 | 31088000 |
| BULBS-TEMPERATURE | SUN-SHIELD-PITOT-STATIC-SYSTEM | AIR | | 13.3333 | 51.826 | 50 | .075 | 63 1114 | 31090000 |
| BULBS-TEMPERATURE | WING-ANTI-ICE/DE-ICE-SYSTEMS | AIR | | 15.7595 | 25.5987 | 200 | .05763 | 65 1198 | 31092000 |
| BULBS-TEMPERATURE | OIL-ENGINE-INSTRUMENTATION | AIR | | 16.129 | 62.737 | 272 | .062 | 63 1114 | 31094000 |
| BULBS-TEMPERATURE | WING-ANTI-ICE/DE-ICE-SYSTEMS | AIR | | 16.9971 | 29.8359 | 408 | .353 | 63 1114 | 31096000 |
| BULBS-TEMPERATURE | EMPENNAGE-ANTI-ICE/DE-ICE | AIR | | 17.6328 | 39.4008 | 100 | .16956 | 63 1198 | 31098000 |
| BULBS-TEMPERATURE | EMPENNAGE-ANTI-ICE/DE-ICE | AIR | | 20.1342 | 44.8375 | 100 | .149 | 63 1114 | 31100000 |
| BULBS-TEMPERATURE | EXIT-PRIMARY-HEAT-EXCHANGER | AIR | | 20.2265 | 78.6751 | 96 | .04944 | 65 1227 | 31102000 |
| BULBS-TEMPERATURE | SENSOR-FLIGHT-INSTRUMENT | AIR | | 20.9424 | 81.4996 | 124 | .04775 | 63 1114 | 31104000 |
| BULBS-TEMPERATURE | EMPENNAGE-ANTI-ICE/DE-ICE | AIR | | 27.5785 | 46.3749 | 100 | .25381 | 65 1198 | 31106000 |
| BULBS-TEMPERATURE | WING-ANTI-ICE/DE-ICE-SYSTEMS | AIR | | 29.488 | 45.4312 | 200 | .33917 | 63 1114 | 31108000 |
| BULBS-TEMPERATURE | OIL-ENGINE-INSTRUMENTATION | AIR | | 31.1614 | 47.0202 | 408 | .353 | 63 1114 | 31110000 |
| BULBS-TEMPERATURE | OIL-ENGINE-INSTRUMENTATION | AIR | | 31.519 | 44.2282 | 200 | .50763 | 65 1198 | 31112000 |
| BULBS-TEMPERATURE | FREE-AIR-NON-ENG | AIR | | 32.258 | 125.474 | 136 | .031 | 63 1114 | 31114000 |
| BULBS-TEMPERATURE | WING-ANTI-ICE/DE-ICE-SYSTEMS | AIR | | 33.4448 | 51.5272 | 200 | .299 | 63 1114 | 31116000 |
| BULBS-TEMPERATURE | OIL-ENGINE-INSTRUMENTATION | AIR | | 36.5214 | 50.7134 | 400 | .43548 | 65 1198 | 31118000 |
| BULBS-TEMPERATURE | FREE-AIR-NON-ENG | AIR | | 36.8657 | 61.038 | 204 | .23214 | 65 1198 | 31120000 |
| BULBS-TEMPERATURE | EMPENNAGE-ANTI-ICE/DE-ICE | AIR | | 39.7727 | 66.6801 | 204 | .176 | 63 1114 | 31122000 |
| BULBS-TEMPERATURE | OIL-ENGINE-INSTRUMENTATION | LAB | | 50 | | | | 61 1068 | 31124000 |
| BULBS-TEMPERATURE | OIL-ENGINE-INSTRUMENTATION | AIR | | 73.7202 | 96.459 | 200 | .33912 | 63 1198 | 31126000 |
| BULBS-TEMPERATURE | OIL-ENGINE-INSTRUMENTATION | AIR | | 80.2875 | 105.63 | 200 | .299 | 63 1114 | 31128000 |
| BULBS-TEMPERATURE | FREE-AIR-NON-ENG | AIR | | 122.13 | 155.345 | 100 | .25342 | 65 1198 | 31130000 |
| BULBS-TEMPERATURE | FREE-AIR-NON-ENG | AIR | | 153.409 | 198.632 | 204 | .176 | 63 1114 | 31132000 |
| BULBS-TEMPERATURE | FREE-AIR-NON-ENG | AIR | | 167.795 | 219.536 | 150 | .149 | 63 1114 | 31134000 |
| BULBS-TEMPERATURE | FREE-AIR-NON-ENG | AIR | | 182.626 | 232.542 | 100 | .16956 | 63 1198 | 31136000 |
| BULBS-TEMPERATURE | FREE-AIR-NON-ENG | AIR | | | 96.4641 | 62 | .02387 | 63 1111 | 31138000 |
| TEMPERATURES-B-4 | | | | | | | | | |

HQM AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 42S INSTRUMENTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART NO. | YR OF DATA INDEX | CROSS REF NO |
|--|-----------------------------|------------------------|-------------|--------------|-------------|----------|------------------|----------------|
| PART DESCRIPTION | | | | | | | | |
| .74 TEMPERATURE | | | | | | | | |
| THERMOMETERS-DIAL-FREE-AIR | FLIGHT-INSTRUMENTATION | HELI | 147.058 | 572.014 | 20 | 00268 | 66 | 1257 31142000 |
| THERMOMETERS-DIAL-TYPE | HYDRAULIC-SYSTEM-TEST-STAND | GRD | 1551.72 | 2449.31 | 24 | 00058 | 67 | 1270 31144000A |
| .75 TIME | | | | | | | | |
| CLOCK-STANDARD | INSTRUMENTS-707-1318 | AIR | 70P | | | | 66 | 2364 31146000 |
| CLOCK-STANDARD | INSTRUMENTS-88C | AIR | 80P | | | | 63 | 2360 31148000 |
| CLOCK-STANDARD | INSTRUMENTS-707-131 | AIR | 130P | | | | 66 | 2360 31150000 |
| CLOCK-STANDARD | INSTRUMENTS-707-331 | AIR | 160P | | | | 65 | 2362 31152000 |
| CLOCK-STANDARD | INSTRUMENTS-707-1318 | AIR | 160P | | | | 66 | 2364 31154000 |
| CLOCK-STANDARD | INSTRUMENTS-707-331 | AIR | 170P | | | | 65 | 2362 31156000 |
| CLOCK-STANDARD | INSTRUMENTS-707-131 | AIR | 170P | | | | 66 | 2364 31158000 |
| CLOCK-STANDARD | INSTRUMENTS-707-331 | AIR | 220P | | | | 66 | 2362 31160000 |
| CLOCK-STANDARD | INSTRUMENTS-707-131 | AIR | 270P | | | | 65 | 2364 31162000 |
| CLOCK-STANDARD | INSTRUMENTS-707-1318 | AIR | 160P | | | | 65 | 2362 31164000 |
| CLOCK-STANDARD | INSTRUMENTS-707-131 | AIR | 220P | | | | 66 | 2364 31166000 |
| CLOCK-STANDARD | INSTRUMENTS-707-131 | AIR | 230P | | | | 66 | 2362 31170000 |
| CLOCK-STANDARD | INSTRUMENTS-707-1318 | AIR | 270P | | | | 65 | 2364 31172000 |
| CLOCK-STANDARD | INSTRUMENTS-707-1318 | AIR | 280P | | | | 65 | 2364 31174000 |
| CLOCK-STANDARD | INSTRUMENTS-707-331 | AIR | 310P | | | | 65 | 2364 31176000 |
| CLOCK-STANDARD | INSTRUMENTS-707-331 | AIR | 310P | | | | 66 | 2362 31178000 |
| CLOCK-STANDARD | INSTRUMENTS-707-331 | AIR | 340P | | | | 66 | 2364 31180000 |
| CLOCK-STANDARD | INSTRUMENTS-707-331 | AIR | 340P | | | | 66 | 2362 31182000 |
| CLOCK-STANDARD | INSTRUMENTS-707-1318 | AIR | 530P | | | | 66 | 2364 31184000 |
| CLOCK-STANDARD | INSTRUMENTS-707-1318 | AIR | 590P | | | | 66 | 2362 31186000 |
| CLOCK-STANDARD | INSTRUMENTS-707-131 | AIR | 680P | | | | 66 | 2364 31188000 |
| CLOCK-STANDARD | INSTRUMENTS-707-131 | AIR | 740P | | | | 66 | 2362 31190000 |
| CLOCK-STANDARD | INSTRUMENTS-707-1318 | AIR | 940P | | | | 66 | 2362 31192000 |
| CLOCK-STANDARD | INSTRUMENTS-331C/373C | AIR | 960P | | | | 66 | 2360 31194000 |
| CLOCK-AMP-57A-NAVIGATION-INSTRUMENTATION | | AIR | 202.265 | 273.514 | 192 | 00860 | 65 | 1227 31196000 |
| CLOCK-STANDARD | INSTRUMENTS-88C | AIR | 80P | | | | 65 | 2362 31198000 |
| CLOCK-STANDARD | INSTRUMENTS-88C | AIR | 80P | | | | 65 | 2365 31200000 |
| CLOCK-STANDARD | INSTRUMENTS-88C | AIR | 170P | | | | 66 | 2365 31202000 |
| CLOCKS | NAVIGATION-INSTRUMENTATION | AIR | SHP GRD | 14.4927 | 38.5673 | | 57 | 212 31204000 |
| CLOCKS | NAVIGATION-INSTRUMENTATION | AIR | | 14.4927 | 38.5673 | | 59 | 1070 31206000 |
| CLOCKS | NAVIGATION-INSTRUMENTATION | AIR | | 65.2173 | 145.234 | 204 | 63 | 1114 31208000 |
| CLOCKS | NAVIGATION-INSTRUMENTATION | AIR | | 116.981 | 148.791 | 306 | 63 | 1114 31210000 |
| CLOCKS | NAVIGATION-INSTRUMENTATION | AIR | | 142.857 | 380.164 | | 61 | 1082 31212000 |
| CLOCKS | NAVIGATION-INSTRUMENTATION | AIR | | 166.136 | 157.739 | 300 | 65 | 1158 31214000 |
| CLOCKS | NAVIGATION-INSTRUMENTATION | AIR | | 168.421 | 236.332 | | 63 | 2130 31216000 |
| CLOCKS | NAVIGATION-INSTRUMENTATION | AIR | | 186.488 | 216.181 | 150 | 63 | 1190 31218000 |
| CLOCKS | NAVIGATION-INSTRUMENTATION | AIR | | 312.744 | 341.934 | 150 | 63 | 1198 31220000 |
| CLOCKS | NAVIGATION-INSTRUMENTATION | AIR | | 311.111 | 364.4 | 150 | 63 | 1114 31222000 |

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
 SECTION I
 FAILURE RATE DATA

| PART CLASS 428 INSTRUMENTS | | | | | | | | | |
|---|----------------------------|------------------|-----------------------|-------------------|------------|------------------|-----------------------|--|--|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT RATE | FAILURE NO CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA INDEX | CROSS RPT FACE REF NO | | |
| .75 TIME | | | | | | | | | |
| CLOCKS | | AIR | 609.375 | 754.817 | 300 | .004 | 61 1880 31224000 | | |
| CLOCKS | | AIR | 610.526 | 720.003 | | .095 | 63 2130 31226000 | | |
| CLOCKS | AIRCRAFT | AIR | 657.489 | 703.235 | | .56083 | 63 1123 31228000A | | |
| CLOCKS | | AIR | 692.489 | 870.631 | | .324 | 61 1082 31230000 | | |
| CLOCKS | INSTRUMENT-SYSTEM | AIR | 930.304 | 1020.56 | 126 | .21597 | 65 1153 31232000 | | |
| CLOCKS | NAVIGATION-INSTRUMENTATION | AIR | 958.247 | 1050.11 | 812 | .13332 | 64 1179 31234000 | | |
| CLOCKS | | AIR | 980.847 | 1033.94 | | .538 | 63 2112 31236000 | | |
| CLOCKS | NAVIGATION-INSTRUMENTATION | AIR | 1076.39 | 1109.73 | 946 | .22634 | 65 1228 31238000 | | |
| CLOCKS | NAVIGATION-INSTRUMENTATION | AIR | 1157.6 | 1516.95 | 1194 | .10357 | 67 1272 31240000 | | |
| CLOCKS | | AIR | 16.7.8 | 1786.49 | | .114 | 61 1084 31242000 | | |
| CLOCKS | | AIR GND | 2400 | 3596.77 | | .002 | 51 212 31244000 | | |
| CLOCKS-ABU-32A | NAVIGATION-INSTRUMENTATION | AIR | 139.217 | 185.126 | 304 | .1645 | 60 1250 31246000 | | |
| CLOCKS-AIRCRAFT-MECH. | | HELI | 785.046 | 852.294 | 453 | .321 | 66 1274 31248000A | | |
| TYPE-2-13.MIL-C-6499 | | | | | | | | | |
| CLOCKS-DISPLAY-RANGE/ | | | | | | | | | |
| COUNTDOWN-7-SEC-INCANDES | | | | | | | | | |
| CLOCKS-MIL-C-6499A | | LAB | 239.672 | 332.808 | 13 | .07053 | 65 1222 31250000A | | |
| CLOCKS-STANDARD | | HELI | 616.866 | 768.651 | 240 | .36 | 65 1213 31252000 | | |
| CLOCKS-STANDARD | | AIR | 70P | | | | 66 2361 31254000 | | |
| CLOCKS-STANDARD | INSTRUMENTS-707.331 | AIR | 70P | | | | 66 2361 31256000 | | |
| CLOCKS-STANDARD | INSTRUMENTS-707.131 | AIR | 90P | | | | 65 2361 31258000 | | |
| CLOCKS-STANDARD | INSTRUMENTS-707.131B | AIR | 110P | | | | 66 2331 31260000 | | |
| CLOCKS-STOP-TYPE | INSTRUMENTS-707.131B | AIR | 120P | | | | 66 2361 31262000 | | |
| CLOCKS-STOP-TYPE | INSTRUMENTS-707.331B | AIR | 210P | | | | 66 2361 31264000 | | |
| CLOCKS-STOP-TYPE | INSTRUMENTS-707.131 | AIR | 220P | | | | 66 2361 31266000 | | |
| CLOCKS-STOP-TYPE | INSTRUMENTS-707.131 | AIR | 230P | | | | 66 2361 31268000 | | |
| CLOCKS-STOP-TYPE | INSTRUMENTS-707.131 | AIR | 260P | | | | 65 2361 31270000 | | |
| CLOCKS-STOP-TYPE | INSTRUMENTS-707.131B | AIR | 270P | | | | 65 2361 31272000 | | |
| CLOCKS-STOP-TYPE | INSTRUMENTS-707.331 | AIR | 510P | | | | 65 2361 31274000 | | |
| CLOCKS-STOP-TYPE | INSTRUMENTS-707.331 | AIR | 560P | | | | 66 2361 31276000 | | |
| CLOCKS-STOP-TYPE | INSTRUMENTS-707.131B | AIR | 690P | | | | 66 2361 31278000 | | |
| CLOCKS-TYPE-2-13A.MIL-C- | | AIR | 125 | 278.366 | 62 | .024 | 63 1111 31280000 | | |
| 8499 | | | | | | | | | |
| CLOCKS-B-DAY-12-MEUR-SPRING/MANUAL-WIND | | AIR | 9494.64 | 11234.6 | 43 | .00653 | 66 1240 31282000A | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
 SECTION I
 FAILURE RATE DATA

| NONELECTRONIC PART FAILURE RATE DATA | | | | | | | | | | JANUARY 1968 | |
|--------------------------------------|------------------------|--------------|--------------|------------|--------|--------|-----|------------|----------|--------------|--|
| PART CLASS | 440 INSULATION | UPPER | | PART | PART | YR | | CROSS | | | |
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | % CONF LIMIT | POPULATION | LATION | HOURS | RPT | DATA INDEX | REF | NO | |
| .00 M.O.C. | | | | | | | | | | | |
| AFTERBURNER/CONTROL-AND-HYD-COMPONIS | AIR | * | 49.3273 | | | .04688 | 63 | 1123 | 31284000 | | |
| ENGINE-BLEED-AIR-DUCTS | AIR | * | 11.5859 | | | .19874 | 63 | 1123 | 31286000 | | |
| VALVE-PRESSURIZATION-AIR-CONDITION | AIR | * | 19.7668 | 100 | | .11637 | 63 | 1198 | 31280000 | | |
| ENGINE-PNEUMATIC-SYSTEM/DE-ICING | LAB | .5 | | 400 | | .46548 | 63 | 1158 | 31292000 | | |
| RADOME-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 8.59328 | 33.4252 | 100 | | .11437 | 63 | 1198 | 31294000 | | |
| RADOME-ANTI-ICE/DE-ICE-SYSTEMS | AIR | 66.6666 | 259.313 | 68 | | .011 | 63 | 1114 | 31298000 | | |
| DUCT-PNEUMATIC-SYSTEM | AIR | 485.436 | 719.318 | 48 | | .02472 | 63 | 1227 | 31293000 | | |
| DUCT-BLEED-AIR-SYSTEM | AIR | * | 93.1472 | 48 | | .02472 | 63 | 1227 | 31303000 | | |
| REFR-UNIT-AIR-CONDITION-CARGO | AIR | * | 19.7868 | 100 | | .11637 | 63 | 1198 | 31302000 | | |
| RAIN-REMOVAL-SYSTEM | AIR | * | 93.1472 | 48 | | .02472 | 63 | 1227 | 31304000 | | |
| DUCT-FLOOR-HEAT-SYSTEM | AIR | * | 93.1472 | 48 | | .02472 | 63 | 1227 | 31306000 | | |
| AIR-AIRFRAME/POWERPLANT | AIR | * | 23.1715 | | | .09937 | 63 | 1123 | 31308000 | | |
| REFRIG-UNIT-AIR-CONDITION | AIR | * | 93.1472 | 48 | | .02472 | 63 | 1227 | 31310000 | | |
| VALVE-FLOOR-HEAT-SYSTEM | AIR | * | 93.1472 | 48 | | .02472 | 63 | 1227 | 31314000 | | |
| DUCT-FLOOR-HEAT-SYSTEM | AIR | * | 55.9834 | 76 | | .04113 | 66 | 1250 | 31316000 | | |
| PRESSURIZATION-CONTROL | AIR | * | 55.9834 | 76 | | .04113 | 66 | 1250 | 31318000 | | |
| AIR-CONDITIONING-SYSTEM | AIR | * | 93.1472 | 48 | | .02472 | 63 | 1227 | 31320000 | | |
| PRESSURIZATION-CONTROL | AIR | * | 93.1472 | 48 | | .02472 | 63 | 1227 | 31322000 | | |
| AIR-CONDITION-SYSTEM | AIR | * | 93.1472 | 48 | | .02472 | 63 | 1227 | 31324000 | | |
| AIR-CONDITION-SYSTEM | AIR | * | 27.4816 | 3600 | | 8.3787 | 65 | 1198 | 31326000 | | |
| NACELLE | AIR | 3.93987 | 10.4846 | 200 | | .50763 | 65 | 1198 | 31328000 | | |
| WATER-SEP-AIR-COND-CARGO | AIR | 5.15587 | 11.4818 | 500 | | .58186 | 61 | 1198 | 31330000 | | |
| NACELLE | AIR | 5.6572 | 15.0773 | 408 | | .353 | 63 | 1114 | 31332000 | | |
| WATER-SEP-AIR-COND-FLIGHT-DECK | AIR | 8.59315 | 15.0839 | 600 | | .65823 | 65 | 1198 | 31334000 | | |
| WING-ANTI-ICE/DE-ICE-SYSTEM | AIR | 8.59328 | 33.4252 | 100 | | .11637 | 63 | 1114 | 31336000 | | |
| REFR-UNIT-AIR-CONDITION-FLIGHT-DECK | AIR | 11.3636 | 44.2011 | 102 | | .088 | 63 | 1114 | 31338000 | | |
| EMPENNAGE-ANTI-ICE/DE-ICE | AIR | 17.1865 | 45.736 | 100 | | .11637 | 65 | 1198 | 31340000 | | |
| VALVE-FLOOR-HEAT-SYSTEM | AIR | 24.3131 | 94.5708 | 76 | | .04113 | 66 | 1250 | 31342000 | | |
| WING-ANTI-ICE-SYSTEM | AIR | 24.3131 | 64.7009 | 76 | | .03226 | 66 | 1250 | 31344000 | | |
| RAIN-REMOVAL-SYSTEM | AIR | 24.3131 | 94.5708 | 76 | | .04113 | 66 | 1250 | 31346000 | | |
| WATER-SEP-AIR-COND-FLIGHT-DECK | AIR | 32.298 | 71.8365 | 408 | | .093 | 63 | 1114 | 31348000 | | |
| PNEUMATIC-SYSTEM-APU | AIR | 40.453 | 157.35 | 48 | | .02472 | 65 | 1227 | 31350000 | | |
| REFR-UNIT-AIR-CONDITION-FLIGHT-DECK | AIR | 42.9664 | 79.7 | 100 | | .11637 | 65 | 1198 | 31352000 | | |
| EMPENNAGE-ANTI-ICE/DE-ICE | AIR | 45.4545 | 90.8357 | 102 | | .088 | 63 | 1114 | 31354000 | | |
| REFR-UNIT-AIR-CONDITION-FLIGHT-DECK | AIR | 47.2775 | 82.9887 | 50 | | .12691 | 65 | 1198 | 31356000 | | |
| AIR-CONDITIONING-SYSTEM | AIR | 48.6263 | 129.401 | 76 | | .04113 | 66 | 1250 | 31358000 | | |
| PNEUMATIC-SYSTEM | AIR | 48.6263 | 129.401 | 76 | | .04113 | 66 | 1250 | 31360000 | | |
| AUXILIARY-POWER-UNIT | AIR | 48.6263 | 129.401 | 76 | | .04113 | 66 | 1250 | 31362000 | | |
| REFRIG-UNIT-AIR-CONDITION | AIR | 72.9394 | 162.431 | 76 | | .04113 | 66 | 1250 | 31364000 | | |
| DUCT-BLEED-AIR-SYSTEM | AIR | 78.7959 | 121.398 | 50 | | .12691 | 65 | 1198 | 31366000 | | |
| EMPENNAGE-ANTI-ICE/DE-ICE | AIR | 78.7959 | 121.398 | 50 | | .12691 | 65 | 1198 | 31368000 | | |
| WATER-SEP-AIR-COND-FLIGHT-DECK | AIR | 100.157 | 167.963 | 50 | | .08478 | 63 | 1198 | 31370000 | | |
| NACELLE | AIR | | | | | | | | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 440 INSULATION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | P/T | YR OF DATA | CROSS INDEX |
|------------------|----------------|-------------------------------------|-------------|--------------|---------------------|-----------------|--------|------------|---------------|
| PART DESCRIPTION | | | | | | | % RS | RPT | SRCE REF NO |
| BLANKET | | WATER-SEP-AIR-COND.FLIGHT-DECK | AIR | 113.636 | 175.075 | 102 | .088 | 63 | 1114 31372000 |
| BLANKET | | WATER-SEP-AIR-COND.CARGO | AIR | 118.193 | 187.775 | 50 | .12601 | 63 | 1198 31374000 |
| BLANKET | | NACELLE | AIR | 120 | 189.413 | 50 | .075 | 63 | 1114 31376000 |
| BLANKET | | WING-AIR-ICE-SYSTEM | AIR | 121.339 | 270.258 | 48 | .02472 | 55 | 1227 31378000 |
| BLANKET | | WATER-SEP-AIR-COND.CARGO | AIR | 159.09 | 228.727 | 102 | .088 | 63 | 1114 31380000 |
| BLANKET | | WATER-SEP-AIR-COND.FLIGHT-DECK | AIR | 188.723 | 268.821 | 50 | .08478 | 63 | 1198 31382000 |
| BLANKET | | WING-ANTI-ICE/DE-ICE-SYSTEM | AIR | 193.181 | 268.251 | 102 | .088 | 63 | 1114 31384000 |
| BLANKET | | REFR-UNIT-AIR-CONDITION.CARGO | AIR | 204.809 | 265.617 | 50 | .12691 | 65 | 1198 31386000 |
| BLANKET | | EMPENNAGE-ANTI-ICE/DE-ICE | AIR | 212.314 | 292.006 | 50 | .08478 | 63 | 1198 31388000 |
| BLANKET | | WATER-SEP-AIR-COND.FLIGHT-DECK | AIR | 212.333 | 295.354 | 50 | .075 | 63 | 1114 31390000 |
| BLANKET | | REFR-UNIT-AIR-CONDITION.CARGO | AIR | 215.969 | 294.347 | 102 | .088 | 63 | 1114 31392000 |
| BLANKET | | EMPENNAGE-ANTI-ICE/DE-ICE | AIR | 240 | 330.084 | 50 | .075 | 63 | 1114 31394000 |
| BLANKET | | BLEED-AIR-SYSTEM | AIR | 243.131 | 374.584 | 76 | .04113 | 66 | 1250 31396000 |
| BLANKET | | WING-ANTI-ICE/DE-ICE-SYSTEM | AIR | 315.183 | 389.174 | 50 | .12691 | 65 | 1198 31398000 |
| BLANKET | | WATER-SEP-AIR-COND.CARGO | AIR | 330.266 | 425.571 | 50 | .08478 | 63 | 1198 31400000 |
| BLANKET | | WING-ANTI-ICE/DE-ICE-SYSTEM | AIR | 342.061 | 436.761 | 50 | .08478 | 63 | 1198 31402000 |
| BLANKET | | WATER-SEP-AIR-COND.CARGO | AIR | 373.333 | 481.056 | 50 | .075 | 63 | 1114 31404000 |
| BLANKET | | WING-ANTI-ICE/DE-ICE-SYSTEM | AIR | 386.666 | 495.98 | 50 | .075 | 63 | 1114 31406000 |
| BLANKET | | BLEED-AIR-SYSTEM | AIR | 404.53 | 623.246 | 48 | .02472 | 65 | 1227 31408000 |
| BLANKET | | REFR-UNIT-AIR-CONDITION.FLIGHT-DECK | AIR | 743.099 | 873.066 | 50 | .08478 | 63 | 1198 31410000 |
| BLANKET | | REFR-UNIT-AIR-CONDITION.CARGO | AIR | 813.871 | 954.393 | 50 | .08478 | 63 | 1198 31412000 |
| BLANKET | | REFR-UNIT-AIR-CONDITION.FLIGHT-DECK | AIR | 826.666 | 978.16 | 50 | .075 | 63 | 1114 31414000 |
| BLANKET | | REFR-UNIT-AIR-CONDITION.CARGO | AIR | 906.666 | 1064.48 | 50 | .075 | 63 | 1114 31416000 |
| BLANKET | | ATM.AUXILIARY-POWER-PLANT | AIR | 3.68278 | 8.20132 | 700 | .8146 | 65 | 1198 31418000 |
| BLANKET | PNEUMATIC | GTC.AUX-POWER | AIR | 7.8796 | 30.6152 | 50 | .12691 | 65 | 1198 31420000 |
| BLANKET | PNEUMATIC | GTC.AUX-POWER | AIR | 8.59328 | 33.7252 | 100 | .11637 | 65 | 1198 31422000 |
| BLANKET | PNEUMATIC | GTC.AUX-POWER | AIR | 11.3036 | 44.2011 | 102 | .088 | 63 | 1114 31424000 |
| BLANKET | PNEUMATIC | ATM.AUX-POWER-PLANT | AIR | 34.0909 | 75.9181 | 102 | .088 | 63 | 1114 31426000 |
| BLANKET | PNEUMATIC | ATM.AUX-POWER-PLANT | AIR | 39.3079 | 73.0809 | 50 | .12691 | 65 | 1198 31428000 |
| BLANKET | PNEUMATIC | GTC.AUX-POWER | AIR | 117.952 | 181.725 | 50 | .08478 | 63 | 1198 31430000 |
| BLANKET | PNEUMATIC | GTC.AUX-POWER | AIR | 133.333 | 205.422 | 50 | .075 | 63 | 1114 31432000 |
| BLANKET | PNEUMATIC | ATM.AUX-POWER-PLANT | AIR | 153.338 | 223.613 | 50 | .08478 | 63 | 1198 31434000 |
| BLANKET | PNEUMATIC | ATM.AUX-POWER-PLANT | AIR | 173.333 | 252.772 | 50 | .075 | 63 | 1114 31436000 |
| DUCT | | PNEUMATIC-SYSTEM | AIR | 97.2526 | 154.348 | 76 | .04113 | 66 | 1250 31438000 |
| FLOOR-HEAT | | AIR-COND.CARGO-COMPARTMENT | AIR | * | 19.7868 | 100 | .11637 | 65 | 1198 31440000 |
| LOAD-CENTER | | AC.FUSELAGE.FORWARD.NOSE | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 31442000 |
| LOAD-CENTER.AC | | FUSELAGE.FORWARD.NOSE | AIR | * | 95.9834 | 76 | .04113 | 66 | 1250 31444000 |

100 M.O.C.

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 442 INTERLOCKS

PART DESCRIPTION

FUNCTIONAL APPLICATION

FAILURE RATE

UPPER 90 CONF LIMIT

PART POPU-
LATION

PART HOURS

YR OF DATA INDEX

CROSS REF NC

•UG N.O.C.

| | | | | | | | | |
|-----------------------------------|-----|---------|---------|-----|--------|----|------|-----------|
| THRUST-REVERSE-ENGINE-CONTROL | AIR | * | 13.9975 | 304 | -1645 | 66 | 1250 | 31446000 |
| WING-SPOILER-SYSTEM | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 | 31443000A |
| WING-SPOILER-SYSTEM | AIR | * | 46.5736 | 96 | .04944 | 65 | 1227 | 31450000 |
| THRUST-REVERSE-ENGINE-CONTROL | AIR | * | 23.2868 | 192 | .09888 | 65 | 1227 | 31452000 |
| PITCH-AMPLIFIER-AUTOPILLOT-SYSTEM | AIR | 10.9785 | 24.4485 | | .27326 | 63 | 1123 | 31454000A |
| DUAL-ROLL-AMPLIFIER-AUTOPILLOT | AIR | * | 23.1719 | | .09337 | 63 | 1123 | 31456000A |

DUMMY

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I

FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 444 JACKS | FUNCTIONAL APPLICATION | ENVIRONMENT RATE | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART HOURS | YR OF DATA | CROSS INDEX |
|----------------------------------|-----------|------------------------|------------------|--------------|---------------------|-----------------|------------|------------|----------------|
| PART DESCRIPTION | | | | | | | | | |
| .00 M.B.C. | | | | | | | | | |
| AIR | * | | | | 15.5135 | 25 | .118 | 62 | 1099 31452000 |
| AIR | * | | | | 76.7533 | 4 | .03 | 62 | 1099 31460000 |
| AIR | * | | | | 479109 | 86 | 4.806 | 62 | 1099 31462000 |
| AIR | * | | | | 30.2973 | 3 | .076 | 62 | 1099 31464000 |
| AIR | * | | | | 2.89271 | 182 | .796 | 62 | 1099 31466000 |
| AIR | * | | | | 21.9295 | 4 | .105 | 62 | 1099 31468000 |
| AIR | * | | | | 82.2357 | 19 | .028 | 62 | 1099 31470000 |
| AIR | * | | | | 33.371 | 21 | .069 | 62 | 1099 31472000 |
| GRD | * | | | | 157.174 | | .01465 | 64 | 1180 31474000 |
| AIR | * | | | | 5.43066 | 57 | .424 | 62 | 1099 31476000 |
| AIR | * | | | | 43.4452 | 12 | .053 | 62 | 1099 31478000 |
| AIR | * | | | | 9.06535 | 10 | .254 | 62 | 1099 31480000 |
| AIR | * | | | | 52.3318 | 13 | .044 | 62 | 1099 31482000 |
| AIR | * | | | | 1.75503 | 26 | 1.312 | 62 | 1099 31484000 |
| AIR | * | | | | 54.8238 | 19 | .042 | 62 | 1099 31486000 |
| LAB | * | | | .01 | | | | 63 | 1138 31488000 |
| AIR | * | | | .247219 | .961607 | 41 | 4.045 | 62 | 1099 31490000 |
| GRD | * | | | .34 | | | | 62 | 1065 31492000 |
| AIR | * | | | .5 | | | | 61 | 1068 31494000 |
| AIR | * | | | 1.52182 | 1.96097 | 1269 | 13.399 | 62 | 1099 31496000 |
| AIR | * | | | 1.69779 | 6.6039 | 60 | .589 | 62 | 1099 31498000 |
| AIR | * | | | 1.88679 | 3.06478 | 236 | 4.24 | 62 | 1099 31500000 |
| AIR | * | | | 4.69483 | 18.2615 | 37 | .213 | 62 | 1099 31502000 |
| AIR | * | | | 4.90196 | 13.0448 | 223 | .408 | 62 | 1099 31504000 |
| AIR | * | | | 9.61538 | 21.4128 | 84 | .312 | 62 | 1099 31506000 |
| GRD | * | | | 20.7468 | 38.4842 | 67 | .241 | 62 | 1099 31508000 |
| AIR | * | | | 34.4827 | 57.9847 | 40 | .203 | 62 | 1099 31510000 |
| GRD | * | | | | .27224 | 793 | 6.1858 | 64 | 1210 31512000 |
| IFP-SYSTEM-AN/APX-46-TRANSPONDER | * | | | * | 55.9834 | 76 | .0413 | 66 | 1250 31514000A |
| IFP-SYSTEM-AN/APX-46-TRANSPONDER | * | | | * | 93.1472 | 48 | .02472 | 65 | 1227 31516000 |
| TACHOMETER-ENGINE-INSTRUMENT | * | | | * | 19.7868 | 100 | .11637 | 65 | 1198 31518000 |
| AIR | * | | | * | 12.9359 | 32 | .178 | 62 | 1093 31520000 |
| GRD | * | | | * | 30.5465 | | .07538 | 64 | 1120 31522000 |
| GRD | * | | | * | 1784.96 | | .00129 | 64 | 1180 31524000 |
| AIR | * | | | * | 50.0565 | 25 | .046 | 62 | 1093 31526000 |
| GRD | * | | | * | .71467 | 4592 | 32.219 | 64 | 1210 31528000 |
| AIR | * | | | * | 328.942 | 2 | .007 | 62 | 1093 31530000 |
| AIR | * | | | * | 18.4208 | 5 | .125 | 62 | 1093 31532000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER | | PART POPU- LATION | PART HOURS | YR | CROSS OF DATA RPT SRCE REF NO |
|------------|-------------------------|------------------------|-------------|--------------|------------------|-------|----------------------|------------|----|-------------------------------------|
| | | | | | 9C CONF LIMIT | | | | | |
| 445 JARS | | | | | | | | | | |
| 002 N.O.C. | | | | | | | | | | |
| JUGS | WATER-SYSTEM | AIR | * | * | 1.81435 | 500 | | 1.2691 | 65 | 1198 31534000 |
| JUGS | WATER-SYSTEM | AIR | * | * | 1.97868 | 101.7 | | 1.1637 | 65 | 1198 31536000 |
| JUGS | WATER-SYSTEM | AIR | 2.14461 | | 5.70713 | 550 | | .93257 | 64 | 1198 31538000 |
| SUMP | DC-POWER-SUPPLY | AIR | * | * | 55.9834 | 76 | | .04113 | 66 | 1250 31540000 |
| SUMP | DC-POWER-SUPPLY | AIR | * | * | 93.1472 | 48 | | .02472 | 65 | 1227 31542000 |
| SUMP | BATTERY.DC-POWER-SUPPLY | AIR | 167.574 | | 334.878 | 62 | | .02387 | 63 | 1111 31544000 |
| SUMP | BATTERY.DC-POWER-SUPPLY | AIR | * | * | 19.7868 | 100 | | .11637 | 65 | 1198 31546000 |
| SUMP | BATTERY.DC-POWER-SUPPLY | AIR | 34.0909 | | 75.9181 | 102 | | .088 | 63 | 1114 31548000 |
| SUMP | BATTERY.DC-POWER-SUPPLY | AIR | 39.3979 | | 73.0809 | 50 | | .12691 | 65 | 1198 31550000 |
| SUMP | BATTERY.DC-POWER-SUPPLY | AIR | 82.5666 | | 138.84 | 50 | | .08478 | 63 | 1198 31552000 |
| SUMP | BATTERY.DC-POWER-SUPPLY | AIR | 93.3333 | | 156.945 | 50 | | .075 | 63 | 1114 31554000 |

BRAME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

[illegible]

JANUARY 1965

NONELECTRONIC PART FAILURE RATE DATA

NAME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

| PART CLASS | GAGE POINTS | PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | | UPPER LIMIT | | PART PSPU-LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|------------|-------------|------------------|------------------------|-------------|--------------|----------|-------------|--------|------------------|------------|------------|---------------|
| | | | | | 90 CGNF | LIMIT | | | | | | |
| .CC N.C.C. | | | | | | | | | | | | |
| UNIVERSAL | | | DRIVE-PAIN.(IN=MILES) | GRD | 2.7027M | 10.5127M | 90 | .3700M | | | 66 | 1255 31646030 |
| WELDED | | | | LAB | .003633 | .008089 | | 825.87 | | | 63 | 2240 31648000 |
| WRAPPED | | | | GRD | * | .065627 | | 35.086 | | | 63 | 2240 31650000 |
| WRAPPED | | | | LAB | * | .373362 | | 6.1872 | | | 62 | 2240 31652000 |
| WRAPPED | | | | GRD | * | .011582 | | 1455.5 | | | 63 | 2240 31654000 |
| WRAPPED | | | | GRD | * | .68601 | | 33.565 | | | 63 | 2240 31656000 |
| WRAPPED | | | | GRD | * | .615351 | | 150.00 | | | 61 | 2240 31658000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 447 RITS | | | | | | | | | | |
|------------------|------------------------|-------------|--------------|---------------------|-------------------|------------|------------|-------------|-----------|--|--|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA | CROSS INDEX | | | |
| .00 N-6-C. | | | | | | | | | | | |
| FIRST-AID | SURVIVAL-EQUIPMENT | GRD | * | 64.3004 | 93 | .03581 | 63 | 1111 | 31660000 | | |
| FIRST-AID | SURVIVAL-EQUIPMENT | AIR | 70.6146 | 77.6629 | 2300 | 2.6768 | 65 | 1198 | 31662000 | | |
| FIRST-AID | SURVIVAL-EQUIPMENT | AIR | 81.4666 | 104.49 | 1564 | .356 | 63 | 1114 | 31664000 | | |
| FIRST-AID | SURVIVAL-EQUIPMENT | AIR | 216.884 | 236.632 | 400 | 1.0152 | 65 | 1198 | 31666000 | | |
| FIRST-AID | SURVIVAL-EQUIPMENT | AIR | 323.624 | 392.108 | 288 | .14832 | 65 | 1227 | 31668000 | | |
| FIRST-AID | SURVIVAL-EQUIPMENT | AIR | 332.252 | 384.394 | 356 | .2468 | 64 | 1250 | 31670000A | | |
| FIRST-AID | SURVIVAL-EQUIPMENT | GRD | 344.192 | 374.25 | 816 | .706 | 63 | 1114 | 31672000 | | |
| FIRST-AID | SURVIVAL-EQUIPMENT | AIR | 490.681 | 537.221 | 250 | .4239 | 63 | 1198 | 31674000 | | |
| SURVIVAL | AIRCREW-EJECTION-SEAT | GRD | 546.666 | 598.918 | 250 | .375 | 63 | 1114 | 31676000 | | |
| SURVIVAL | AIRCREW-EJECTION-SEAT | AIR | 78.7608 | 108.323 | 946 | .22854 | 65 | 1228 | 31678000 | | |
| SURVIVAL | AIRCREW-EJECTION-SEAT | AIR | 154.004 | 199.402 | 812 | .17532 | 54 | 1179 | 31680000 | | |
| | | | 208.554 | 227.941 | 1194 | 1.0357 | 67 | 1272 | 31682000 | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 448 LADDERS | UPPER | 90 CONF | PART | YR | CROSS |
|----------------------------------|------------------------|--------------|---------|------------------|---------------|----------------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | FAILURE RATE | LIMIT | POPUL- LATION | PART HOURS | OF DATA RPT SRCE REF NO |
| | ENVIRONMENT | | | | | |
| .00 M.B.C. | | | | | | |
| MULTI-PURPOSE-CARGO-COMP | AIR | * | 93.1472 | 48 | .02472 | 65 1227 31684000 |
| EXIT-EVACUATION-EQUIPMENT | AIR | * | 31.049 | 144 | .07416 | 65 1227 31686000 |
| STABILIZER-VERTICAL-EMPENNAGE | AIR | * | 43.5736 | 96 | .04944 | 65 1227 31688000 |
| ESCAPE-CREW-FLIGHT-DECK | AIR | * | 93.1472 | 48 | .02472 | 65 1227 31690000 |
| STABILIZER-VERTICAL-EMPENNAGE | AIR | * | 27.9917 | 152 | .08226 | 66 1250 31692000 |
| EXIT-EVACUATION-EQUIPMENT | AIR | * | 18.6596 | 228 | .1234 | 66 1250 31694000 |
| ESCAPE-CREW-FLIGHT-DECK | AIR | * | 35.5834 | 76 | .04113 | 66 1250 31696000A |
| ENTRY-FLIGHT-STATION. | AIR | 24.5131 | 64.7009 | 76 | .08226 | 66 1250 31698000 |
| CARGO-COMPARTMENT | | | | | | |
| ENTRY-FLIGHT-STATION-CARGO-COMP | AIR | 83.752 | 325.77 | 31 | .01194 | 63 1111 31700000 |
| ENTRY-AIRCRAFT-CARGO-COMPARTMENT | AIR | 121.359 | 270.258 | 48 | .02472 | 65 1227 31702000 |
| ENTRY-AIRCRAFT-CARGO-COMPARTMENT | AIR | 145.878 | 250.668 | 76 | .04113 | 66 1250 31704000 |
| ENTRY-AIRCRAFT-CARGO-COMPARTMENT | AIR | 323.624 | 525.675 | 48 | .02472 | 65 1227 31706000 |
| CARGO-COMPARTMENT | AIR | * | 55.9834 | 76 | .04113 | 66 1250 31708000 |
| MULTI-PURPOSE | | | | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I

FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 401 LIGHT SOURCES

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | PART HOURS | YR | CRGSS | OF DATA INDEX | REF NO |
|----------------------|------------------------|-------------|--------------|---------------------|-------------|------------|----|-------|---------------|--------|
| .30 ELECTRICAL, NEON | | | | | | | | | | |

.40 ELECTRICAL, INCANDESCENT, GENERAL

| | | | | | | | | | | |
|--|--|--|----|--|--|--|---|------|----------|--|
| | | | .2 | | | | U | 2001 | 31710000 | |
|--|--|--|----|--|--|--|---|------|----------|--|

LIGHTS-TAIL-OSCILLATING
LIGHTS-TAIL-OSCILLATING

| | | | | | | | | | | |
|--|--|-----|---------|---------|--|--------|---|------|----------|----------|
| | | | .1 | | | | U | 2001 | 31712000 | |
| | | AIR | 8 | | | | U | 2001 | 31714000 | |
| | | AIR | 957.741 | 1235.97 | | .C3100 | | 66 | 2134 | 31716000 |
| | | AIR | 1075.26 | 1545.22 | | .01302 | | 66 | 2133 | 31718000 |

.50 ELECTRICAL, LAMP ASSEMBLIES, N.O.C.

| | | | | | | | | | | |
|---------------------------|--|-----|------|--|---|------|----|------|----------|--|
| GENERAL | | | 1.6 | | | | U | 2001 | 31720000 | |
| RADAR | | AIR | 3.1 | | | | U | 2001 | 31722000 | |
| GENERAL | | GRD | 4.5 | | | .411 | U | 2001 | 31724000 | |
| | | AIR | 10 | | | | 57 | 2001 | 31726000 | |
| | | | 11 | | | | U | 2001 | 31728000 | |
| COMPUTER | | | 20 | | | | U | 2001 | 31730000 | |
| GENERAL | | GRD | 38 | | | | 56 | 2001 | 31732000 | |
| INFRARED-SEARCH-AND-TRACK | | AIR | 51 | | | 13.3 | U | 2001 | 31734000 | |
| | | AIR | 78.7 | | 2 | | 66 | 2004 | 31736000 | |
| | | | 400 | | | | U | 2001 | 31738000 | |
| LIGHTS-707-131B | | AIR | 130P | | | | U | 2001 | 31740000 | |
| LIGHTS-880 | | AIR | 15CP | | | | 66 | 2364 | 31742000 | |
| LIGHTS-707-331B | | AIR | 160P | | | | 66 | 2360 | 31744000 | |
| LIGHTS-727 | | AIR | 170P | | | | 65 | 2360 | 31746000 | |
| LIGHTS-727 | | AIR | 180P | | | | 66 | 2364 | 31748000 | |
| LIGHTS-707-331B | | AIR | 190P | | | | 66 | 2360 | 31750000 | |
| LIGHTS-727 | | AIR | 190P | | | | 66 | 2360 | 31752000 | |
| LIGHTS-707-131 | | AIR | 210P | | | | 66 | 2364 | 31754000 | |
| LIGHTS-707-131 | | AIR | 220P | | | | 66 | 2365 | 31756000 | |
| LIGHTS | | AIR | 220P | | | | 66 | 2364 | 31758000 | |
| LIGHTS-707-131 | | AIR | 230P | | | | 66 | 2361 | 31760000 | |
| LIGHTS-707-131 | | AIR | 230P | | | | 66 | 2361 | 31762000 | |
| LIGHTS-707-131 | | AIR | 230P | | | | 66 | 2364 | 31764000 | |
| LIGHTS-707-131 | | AIR | 230P | | | | 66 | 2362 | 31766000 | |
| LIGHTS-707-131 | | AIR | 230P | | | | 66 | 2364 | 31768000 | |
| LIGHTS-707-131B | | AIR | 240P | | | | 66 | 2362 | 31770000 | |
| LIGHTS-707-331B | | AIR | 240P | | | | 66 | 2361 | 31772000 | |
| LIGHTS-707-331 | | AIR | 240P | | | | 66 | 2362 | 31774000 | |
| LIGHTS-707-131B | | AIR | 260P | | | | 65 | 2361 | 31776000 | |
| LIGHTS-727 | | AIR | 260P | | | | 66 | 2364 | 31778000 | |
| LIGHTS-727 | | AIR | 260P | | | | 65 | 2361 | 31780000 | |
| LIGHTS-707-131B | | AIR | 270P | | | | 65 | 2360 | 31782000 | |
| LIGHTS-707-131B | | AIR | 270P | | | | 65 | 2360 | 31784000 | |

ROHE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 401 LIGHT SOURCES

| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LATION | YR OF DATA INDEX | CRGCS RPT SRCE REF NO |
|----------------------|------------------------|-------------|--------------|---------------------|-----------------|-------------|------------------|-----------------------|
| ANTI-COLLISION | LIGHTS | AIR | 280P | | | | 66 2361 3178000 | |
| ANTI-COLLISION | LIGHTS-707-331B | AIR | 280P | | | | 66 2362 3179000 | |
| ANTI-COLLISION | LIGHTS | AIR | 280P | | | | 66 2361 3179200 | |
| ANTI-COLLISION | LIGHTS-707-331B | AIR | 280P | | | | 66 2361 3179400 | |
| ANTI-COLLISION | LIGHTS-707-131B | AIR | 280P | | | | 65 2364 3179600 | |
| ANTI-COLLISION | LIGHTS-707-331 | AIR | 310P | | | | 66 2364 3179800 | |
| ANTI-COLLISION | LIGHTS-707-131B | AIR | 320P | | | | 65 2362 3180000 | |
| ANTI-COLLISION | LIGHTS-707-331 | AIR | 340P | | | | 66 2364 3180200 | |
| ANTI-COLLISION | LIGHTS-707-331 | AIR | 340P | | | | 66 2362 3180400 | |
| ANTI-COLLISION | LIGHTS-707-331 | AIR | 340P | | | | 65 2362 3180600 | |
| ANTI-COLLISION | LIGHTS-707-331 | AIR | 340P | | | | 66 2360 3180800 | |
| ANTI-COLLISION | LIGHTS-707-331B | AIR | 390P | | | | 66 2364 3181000 | |
| ANTI-COLLISION | LIGHTS-707-131B | AIR | 400P | | | | 65 2362 3181200 | |
| ANTI-COLLISION | LIGHTS-707-131B | AIR | 400P | | | | 66 2364 3181400 | |
| ANTI-COLLISION | LIGHTS-727 | AIR | 400P | | | | 65 2365 3181600 | |
| ANTI-COLLISION | LIGHTS | AIR | 400P | | | | 65 2361 3181800 | |
| ANTI-COLLISION | LIGHTS | AIR | 440P | | | | 66 2361 3182000 | |
| ANTI-COLLISION | LIGHTS-707-131B | AIR | 440P | | | | 66 2362 3182200 | |
| ANTI-COLLISION | LIGHTS-707-131B | AIR | 447P | | | | 66 2362 3182400 | |
| ANTI-COLLISION | LIGHTS-880 | AIR | 450P | | | | 66 2365 3182600 | |
| ANTI-COLLISION | LIGHTS-707-131 | AIR | 440P | | | | 66 2361 3182800 | |
| ANTI-COLLISION | LIGHTS-331C/373C | AIR | 480P | | | | 66 2360 3183000 | |
| ANTI-COLLISION | LIGHTS-331C/373C | AIR | 490P | | | | 65 2365 3183200 | |
| ANTI-COLLISION | LIGHTS-331C/373C | AIR | 500P | | | | 66 2360 3183400 | |
| ANTI-COLLISION | LIGHTS-331C/373C | AIR | 500P | | | | 66 2365 3183600 | |
| ANTI-COLLISION | LIGHTS-331C/373C | AIR | 510P | | | | 66 2365 3183800 | |
| ANTI-COLLISION | LIGHTS-707-131B | AIR | 540P | | | | 66 2362 3184000 | |
| ANTI-COLLISION | LIGHTS-727 | AIR | 550P | | | | 66 2360 3184200 | |
| ANTI-COLLISION | LIGHTS-707-331B | AIR | 570P | | | | 66 2362 3184400 | |
| ANTI-COLLISION | LIGHTS-707-331 | AIR | 680P | | | | 65 2362 3184600 | |
| ANTI-COLLISION | LIGHTS-707-331B | AIR | 700P | | | | 66 2361 3184800 | |
| ANTI-COLLISION | LIGHTS | AIR | 780P | | | | 65 2361 3185000 | |
| ANTI-COLLISION | LIGHTS-880 | AIR | 810P | | | | 66 2365 3185200 | |
| ANTI-COLLISION | LIGHTS-880 | AIR | 870P | | | | 66 2360 3185400 | |
| ANTI-COLLISION | LIGHTS-880 | AIR | 910P | | | | 66 2360 3185600 | |
| ANTI-COLLISION | LIGHTS-707-131 | AIR | 910P | | | | 65 2362 3185800 | |
| ANTI-COLLISION | LIGHTS-707-131 | AIR | 910P | | | | 65 2362 3186000 | |
| ANTI-COLLISION | LIGHTS-707-331B | AIR | 970P | | | | 66 2362 3186200 | |
| ANTI-COLLISION | LIGHTS-707-131 | AIR | 990P | | | | 66 2362 3186400 | |
| ANTI-COLLISION | LIGHTS-707-331B | AIR | 1030P | | | | 65 2362 3186600 | |
| ANTI-COLLISION | LIGHTS-880 | AIR | 1120P | | | | 65 2364 3186800 | |
| ANTI-COLLISION | LIGHTS-880 | AIR | 1270P | | | | 66 2365 3187000 | |
| ANTI-COLLISION | LIGHTS-880 | AIR | 1920P | | | | 65 2365 3187200 | |
| ANTI-COLLISION-LOWER | LIGHTS-880C | AIR | 140P | | | | 66 2360 3187400 | |
| ANTI-COLLISION-LOWER | LIGHTS-880C | AIR | 470P | | | | 66 2365 3187600 | |

50 ELECTRICAL, LAMP ASSEMBLIES, N.E.C.

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1966

| PART CLASS | 461 LIGHT SOURCES | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER LIMIT | PART LATENCY | YR OF DATA INDEX | CROSS REF SAGE REF NO |
|----------------------|-------------------|------------------------|-------------|--------------|-------------|--------------|------------------|-----------------------|
| ANTI-COLLISION-LOWER | LIGHTS-880 | | AIR | 480P | | | 65 | 2360 31878000 |
| ANTI-COLLISION-LOWER | LIGHTS-880 | | AIR | 90CP | | | 65 | 2365 31880000 |
| ANTI-COLLISION-LOWER | LIGHTS-880 | | AIR | 1810P | | | 66 | 2363 31882000 |
| LAMPS | | | AIR | CHD | 1.00643 | 2.3616 | 66 | 216 31884000 |
| LAMPS | | | LAB | 421252 | 0.86256 | 18.991 | 62 | 2240 31886000 |
| LAMPS | | | LAB | 893161 | 1.24301 | 18.991 | 62 | 2240 31888000 |
| LAMPS | | | LAB | 1.685 | 2.13484 | 18.991 | 62 | 2240 31890000 |
| LAMPS | | | GRD | 1.71149 | 2.48863 | 8.18 | 62 | 2240 31892000 |
| LAMPS | | | GRD | 6.69 | | | 61 | 2240 31894000 |
| LAMPS | | | SEN | 10 | | | 62 | 2240 31896000 |
| LAMPS | | | GRD | 14 | | | 61 | 2240 31898000 |
| LAMPS | | | GRD | 14.1 | | | 64 | 2820 31900000 |
| LAMPS | | | AIR | 22.7272 | 31.2579 | .792 | 62 | 2240 31902000 |
| LAMPS | | | GRD | 41.2 | | | 64 | 2820 31904000 |
| LAMPS-FILAMENT | | | | .5 | | | 62 | 2822 31906000 |
| LAMPS-ME3N | | | | .8 | | | 62 | 2822 31908000 |
| LANDING | LIGHTS-331C/373C | | AIR | 240P | | | 66 | 2360 31910000 |
| LANDING | LIGHTS-331C/373C | | AIR | 250P | | | 66 | 2365 31912000 |
| LANDING | LIGHTS-707-331B | | AIR | 341P | | | 65 | 2361 31914000 |
| LANDING | LIGHTS-707-331B | | AIR | 430P | | | 66 | 2364 31916000 |
| LANDING | LIGHTS-331C/373C | | AIR | 460P | | | 65 | 2360 31918000 |
| LANDING | LIGHTS-707-331B | | AIR | 500P | | | 66 | 2360 31920000 |
| LANDING | LIGHTS-331C/373C | | AIR | 660P | | | 66 | 2364 31922000 |
| LANDING | LIGHTS-707-331B | | AIR | 750P | | | 66 | 2365 31924000 |
| LANDING | LIGHTS-707-331B | | AIR | 970P | | | 66 | 2362 31926000 |
| LANDING | LIGHTS-707-331B | | AIR | 1280P | | | 66 | 2362 31928000 |
| LANDING | LIGHTS-707-331B | | AIR | 1310P | | | 65 | 2362 31930000 |
| LANDING | LIGHTS-707-331B | | AIR | 1480P | | | 65 | 2364 31932000 |
| LANDING-RETRACTABLE | LIGHTS-707-131B | | AIR | 230P | | | 66 | 2261 31934000 |
| LANDING-RETRACTABLE | LIGHTS-707-131B | | AIR | 340P | | | 66 | 2361 31936000 |
| LANDING-RETRACTABLE | LIGHTS-707-131B | | AIR | 360P | | | 66 | 2361 31938000 |
| LANDING-RETRACTABLE | LIGHTS-707-131B | | AIR | 390P | | | 65 | 2361 31940000 |
| LANDING-RETRACTABLE | LIGHTS-707-131B | | AIR | 350P | | | 66 | 2361 31942000 |
| LANDING-RETRACTABLE | LIGHTS-707-131B | | AIR | 390P | | | 61 | 2361 31944000 |
| LANDING-RETRACTABLE | LIGHTS-707-131B | | AIR | 560P | | | 66 | 2361 31946000 |
| LANDING-RETRACTABLE | LIGHTS-707-131B | | AIR | 680P | | | 66 | 2361 31948000 |
| LANDING-RETRACTABLE | LIGHTS-707-131B | | AIR | 700P | | | 66 | 2361 31950000 |
| LANDING-RETRACTABLE | LIGHTS-707-131B | | AIR | 80P | | | 65 | 2362 31952000 |
| LANDING-RETRACTABLE | LIGHTS-707-131B | | AIR | 80P | | | 66 | 2562 31954000 |
| LANDING-RETRACTABLE | LIGHTS-707-131B | | AIR | 130P | | | 66 | 2364 31956000 |
| LANDING-RETRACTABLE | LIGHTS-707-131B | | AIR | 170P | | | 66 | 2364 31958000 |
| LANDING-RETRACTABLE | LIGHTS-707-131B | | AIR | 220P | | | 65 | 2362 31960000 |
| LANDING-RETRACTABLE | LIGHTS-707-131B | | AIR | 230P | | | 66 | 2364 31962000 |
| LANDING-RETRACTABLE | LIGHTS-707-131B | | AIR | 270P | | | 66 | 2364 31964000 |
| LANDING-RETRACTABLE | LIGHTS-707-131B | | AIR | | | | 65 | 2364 31966000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 461 LIGHT SOURCES | | | UPPER 90 CONF LIMIT | PART POPUL- LATION | YR | CROSS |
|---|------------------------|-------------|-----------------|---------------------------|--------------------------|----------|-------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | OF DATA RPT SRCE | HOURS | REF | NO |
| -SC ELECTRICAL, LAMP ASSEMBLIES, N-O-C- | | | | | | | |
| LANDING-RETR/ TABLE | LIGHTS-707-331 | AIR | 310P | 66 | 2364 | 31968000 | |
| LANDING-RETRACTABLE | LIGHTS-707-331 | AIR | 310P | 65 | 2364 | 31970070 | |
| LANDING-RETRACTABLE | LIGHTS-707-331 | AIR | 460P | 66 | 2362 | 31972000 | |
| LANDING-RETRACTABLE | LIGHTS-707-131B | AIR | 470P | 66 | 2362 | 31974000 | |
| LANDING-RETRACTABLE | LIGHTS-707-131B | AIR | 520P | 66 | 2362 | 31976000 | |
| LANDING-RETRACTABLE | LIGHTS-707-331 | AIR | 1010P | 66 | 2362 | 31978000 | |
| LANDING-RETRACTABLE | LIGHTS-707-331 | AIR | 1010P | 66 | 2364 | 31980000 | |
| LIGHT-ANTI-COLLISION | LANDING-GEAR-727 | AIR | 240P | 66 | 2363 | 31982000 | |
| LIGHT-ANTI-COLLISION | LANDING-GEAR-727 | AIR | 470P | 66 | 2363 | 31984000 | |
| LIGHT-ANTI-COLLISION | LANDING-GEAR-727 | AIR | 650P | 66 | 2363 | 31986000 | |
| LIGHT-ANTI-COLLISION | LANDING-GEAR-727 | AIR | 680P | 65 | 2363 | 31988000 | |
| LIGHT-ANTI-COLLISION | LANDING-GEAR-727 | AIR | 680P | 65 | 2363 | 31990000 | |
| LIGHT-ANTI-COLLISION | LANDING-GEAR-880 | AIR | 720P | 65 | 2363 | 31992000 | |
| LIGHT-ANTI-COLLISION | LANDING-GEAR-331C/373C | AIR | 1120P | 65 | 2363 | 31994000 | |
| LIGHT-ANTI-COLLISION | LANDING-GEAR-880 | AIR | 1340P | 66 | 2363 | 31996000 | |
| LIGHT-ANTI-COLLISION | LANDING-GEAR-880 | AIR | 1360P | 66 | 2363 | 31998000 | |
| LIGHT-ANTI-COLLISION-LOWER | LANDING-GEAR-880 | AIR | 540P | 63 | 2363 | 32000000 | |
| LIGHT-ANTI-COLLISION-LOWER | LANDING-GEAR-880 | AIR | 610P | 66 | 2363 | 32002000 | |
| LIGHT-ANTI-COLLISION-LOWER | LANDING-GEAR-880 | AIR | 841P | 66 | 2363 | 32004000 | |
| LIGHTS-LANDING | LANDING-GEAR-331C/373C | AIR | 120P | 66 | 2363 | 32006000 | |
| LIGHTS-LANDING | LANDING-GEAR-331C/373C | AIR | 2420P | 66 | 2363 | 32008000 | |
| LIGHTS-RETRACTABLE-LANDING | LANDING-GEAR-880 | AIR | 1501 | 66 | 2363 | 32010000 | |
| LIGHTS-RETRACTABLE-LANDING | LANDING-GEAR-880 | AIR | 180P | 65 | 2363 | 32012000 | |
| LIGHTS-RETRACTABLE-LANDING | LANDING-GEAR-880 | AIR | 250P | 66 | 2362 | 32014000 | |
| RETRACTABLE-LANDING | LIGHTS-880 | AIR | 85P | 66 | 2360 | 32016000 | |
| RETRACTABLE-LANDING | LIGHTS-880 | AIR | 80P | 66 | 2365 | 32018000 | |
| RETRACTABLE-LANDING | LIGHTS-880 | AIR | 160P | 65 | 2360 | 32020000 | |
| RETRACTABLE-LANDING | LIGHTS-880 | AIR | 220P | 66 | 2360 | 32022000 | |
| RETRACTABLE-LANDING | LIGHTS-880 | AIR | 240P | 66 | 2365 | 32024000 | |
| RETRACTABLE-LANDING | LIGHTS-880 | AIR | 240P | 63 | 2365 | 32026000 | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I PART I - RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1960

| PART CLASS | 462 LIMITERS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | PART HOURS | YR SF DATA INDEX | CROSS REF NO |
|------------|--------------|---------------------------------------|-------------|--------------|---------------------|-------------|------------|------------------|----------------|
| .00 N.O.C. | | | | | | | | | |
| | | THRUST-FLIGHT-REVERSER. | AIR | * | 95.9834 | 76 | .04113 | 66 | 1350 32028000 |
| | | ENGINE-CONTROL-SYSTEM | AIR | * | 93.1472 | 48 | .02472 | 65 | 1227 32030000 |
| | | THRUST-FLIGHT-REVERSER-CONTROL-SYSTEM | AIR | * | 192.847 | 31 | .01194 | 63 | 1111 32032000 |
| | | PRESSURE-AIR-CONDITIONING-SYSTEM | AIR | * | 3.86102 | 597 | .51789 | 67 | 1272 32034000 |
| | | CONTROL-AILERON-SYSTEM | AIR | * | 8.7512 | 34.0395 | .11427 | 65 | 1228 32036000 |
| | | ROLL-ANGLE-AUTOPILLOT-SYSTEM | AIR | * | 11.6863 | 45.4363 | .08557 | 62 | 1123 32038000A |
| | | CONTROL-AILERON-SYSTEM | AIR | * | 22.8194 | 60.7152 | .08766 | 64 | 1179 32040000 |
| | | ROLL-HEADLINE-AUTOPILLOT-SYSTEM | AIR | * | 23.3726 | 62.1982 | .08557 | 63 | 1123 32042000A |
| | | WING-FLAP-FLIGHT-CONTROL | AIR | * | 43.756 | 81.1847 | .11427 | 65 | 1228 32044000 |
| | | WING-FLAP-FLIGHT-CONTROL | AIR | * | 51.9964 | 71.827 | .51789 | 67 | 1272 32046000 |
| | | WING-FLAP-FLIGHT-CONTROL | AIR | * | 11.6482 | 120.147 | .08766 | 64 | 1179 32048000 |
| | | PRESSURE-RATIO-AIR-CONDITIONING | AIR | * | 8.6411 | 102.552 | .5671 | 65 | 1196 32050000 |
| | | TEMPERATURE-ELECT-EQUIP-AIR-COMD | AIR | * | 91.3215 | 141.358 | .14239 | 66 | 1241 32052000 |
| | | DC-POWER-CONTROL | AIR | * | 46.5736 | 96 | .13944 | 65 | 1227 32054000 |
| | | DC-POWER-SUPPLY | AIR | * | 16.129 | 62.737 | .02 | 63 | 1114 32056000 |
| | | AC-POWER-SUPPLY | AIR | * | 39.283 | 49.7701 | .046 | 65 | 1198 32058000 |
| | | AC-POWER-SUPPLY | AIR | * | 45.4545 | 90.8357 | .088 | 63 | 1114 32060000 |
| | | AC-POWER-SUPPLY | AIR | * | 96.4744 | 117.895 | .46548 | 65 | 1198 32062000 |
| | | AC-POWER-SUPPLY | AIR | * | 102.431 | 145.381 | .12391 | 65 | 1198 32064000 |
| | | AC-POWER-SUPPLY | AIR | * | 133.333 | 354.82 | .015 | 63 | 1114 32066000 |
| | | DC-POWER-SUPPLY | AIR | * | 155.19 | 228.727 | .088 | 63 | 1114 32068000 |
| | | DC-POWER-SUPPLY | AIR | * | 220.628 | 284.295 | .12691 | 65 | 1198 32070000 |
| | | DC-POWER-SUPPLY | AIR | * | 695.918 | 821.04 | .08478 | 62 | 1198 32072000 |
| | | DC-POWER-SUPPLY | AIR | * | 746.666 | 891.526 | .075 | 63 | 1114 32074000 |
| | | LOCALIZER-DC-POWER-CONTROL | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 32076000 |
| | | AUTO-FLIGHT-CONTROL | SIM GRD | AIR | 360.75 | 512.082 | .04158 | 64 | 1161 32078000A |
| | | RANGE-SIGHT-AMPLIFIER | SIM GRD | AIR | * | 82.9763 | .02775 | 64 | 1181 32080000A |
| | | SIGHT-SYSTEM | SIM GRD | AIR | * | 195 | .02775 | 64 | 1181 32080000A |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 443 LIPERS | UPPER | PART | YR | CROSS |
|--|------------------------|---------------|------------|------------|-------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | 90 CONF LIMIT | POPULATION | PART HOURS | GE DATA INDEX |
| | | | | | REF NO |
| INNER-COMBUSTION/AFT-BASIC-ENGINE | AIR | * .824448 | 2400 | 2,7929 | 65 1198 32082000 |
| COMBUSTION-CHAMBER | AIR | * .55.9834 | 76 | .04113 | 66 1250 32085000A |
| AUXILIARY-POWER-UNIT | | | | | |
| COMBUSTION-TURBOJET-J-85 | AIR | * 10.0752 | 946 | .22854 | 65 1228 3208 |
| INNER-COMBUSTION-CHAMBER-BASIC-ENGINE | AIR | * 4.94672 | 400 | .46548 | 65 1198 3208 |
| INNER-COMBUSTION/AFT-BASIC-ENGINE | AIR | * .75592 | 1200 | 3.3458 | 65 1198 32090000 |
| AFTERBURNER-TURBOJET-J-85 | AIR | * 22.6055 | 812 | .10186 | 64 1179 32092000 |
| COMBUSTION-CHAMBER-AUX-POWER-UNIT | AIR | * 93.1472 | 48 | .03472 | 65 1227 32094000 |
| BURNER-CAN-ENGINE | AIR | * 48.7219 | 124 | .04775 | 63 1111 32096000 |
| COMBUSTION-POWER-SECTION | AIR | * .167126 | 10296 | 11.967 | 65 1201 32098000 |
| INNER-COMBUSTION/AFT-BASIC-ENGINE | AIR | * .982946 | 1200 | 2.0347 | 63 1198 32100000 |
| INNER-COMBUSTION/AFT-BASIC-ENGINE | AIR | * 1.11234 | 2.96012 | 1.798 | 63 1114 32102000 |
| LIFE-RAFT-COMPT-SURVIVAL-EQUIPMENT | AIR | * 1.43219 | 600 | .69823 | 65 1198 32104000 |
| COMBUSTION-POWER-SECTION | AIR | * 2.73074 | 4.79341 | 2.1972 | 65 1201 32106000 |
| LIFE-RAFT-COMPT-SURVIVAL-EQUIPMENT | AIR | * 2.83286 | 11.0189 | .353 | 63 1114 32108000 |
| LIFE-RAFT-COMPT-SURVIVAL-EQUIPMENT | AIR | * 3.93987 | 10.4846 | .50763 | 65 1198 32110000 |
| DIFFUSER-EXHAUST-SECTION-TURBOJET-J-85 | AIR | * 8.7512 | 23.2882 | .22854 | 65 1228 32112000 |
| COMBUSTION-TURBOJET-J-85 | AIR | * 9.61739 | 38.1867 | .10186 | 64 1179 32114000 |
| LIFE-RAFT-COMPT-SURVIVAL-EQUIPMENT | AIR | * 10.0334 | 22.3438 | .299 | 63 1114 32116000 |
| LIFE-RAFT-COMPT-SURVIVAL-EQUIPMENT | AIR | * 11.7952 | 23.5714 | .33912 | 63 1198 32118000 |
| AFTERBURNER-TURBOJET-J-85 | AIR | * 17.5024 | 34.9765 | .22854 | 65 1228 32120000 |
| LIFE-RAFT-COMPARTMENT-SURVIVAL-EQUIPMENT | AIR | * 20.2265 | 45.0431 | .14832 | 65 1227 32122000 |
| LIFE-RAFT-COMPARTMENT-SURVIVAL-EQUIPMENT | AIR | * 28.363 | 47.694 | .2465 | 66 1250 32124000 |
| RADIO-COMPARTMENT-SURVIVAL-EQUIPMENT | AIR | * 43.6263 | 129.471 | .04113 | 66 1250 32126000A |
| RADIO-COMPARTMENT-SURVIVAL-EQUIPMENT | AIR | * 80.9061 | 215.309 | .02712 | 65 1227 32128000 |

500 N.C.C.

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. HOMELECTRONIC PART FAILURE RATE DATA JANUARY 1968

SECTION I FAILURE RATE DATA

| PART CLASS | 484 LOUVERS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPULATION | PART LATION HOURS | YR OF DATA | CHRS INDEX |
|----------------------------------|-------------|------------------------|-------------|--------------|---------------------|-----------------|-------------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | RPT SRCE | REF NO |
| .00 M.O.C. | | | | | | | | | |
| ENGINE-MACELLE-TURBOPROP-PWR-PLT | AIR | | | 1.96993 | 2.47333 | 800 | .93097 | 65 | 1198 32130000 |
| ENGINE-MACELLE-TURBOPROP-PWR-PLT | AIR | | | 2.83286 | 7.66247 | 200 | .90763 | 65 | 1198 32132000 |
| ENGINE-MACELLE-TURBOPROP-PWR-PLT | AIR | | | 2.9498 | 11.0189 | 408 | .353 | 63 | 1114 32134000 |
| ENGINE-MACELLE-TURBOPROP-PWR-PLT | AIR | | | 6.07902 | 11.4899 | 200 | .33912 | 63 | 1198 32136000 |
| FAIRING-LEADING-EDGE | AIR | | | | 23.6455 | 304 | .1645 | 66 | 1250 32138000 |
| AIR-CONDITIONING-SYSTEM | | | | | | | | | |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

| PART CLASS | 465 MAGAZINES | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART LATION | PART HOURS | YR | CROSS REF DATA INDEX |
|--------------------------------|---------------|------------------------|-------------|--------------|---------------------------|----------------|---------------|------|-------------------------|
| PART DESCRIPTION | | | | | | | | RPT | SACE REF NO |
| 60 M.B.C. | | | | | | | | | |
| CAMERA-RCOR-MTHR-AN/ASH-12 | | AIR | * | 220.344 | 50 | .01045 | 63 | 1198 | 32140000 |
| CAMERA-APR-6 | | AIR | * | 220.344 | 50 | .01045 | 63 | 1198 | 32142000 |
| CAMERA-RCOR-CA-1328/APQ-68 | | AIR | * | 220.344 | 50 | .01045 | 63 | 1198 | 32144000 |
| CAMERA-ASSEMBLY | | AIR | 57.4382 | 127.911 | 250 | .05223 | 63 | 1198 | 32146000 |
| CAMERA-ASSEMBLY | | AIR | 62.5 | 139.183 | 250 | .048 | 63 | 1114 | 32148000 |
| RECORDER-UNIT-AIRBORNE-FLIGHT | | AIR | 283.171 | 476.189 | 48 | .02472 | 65 | 1227 | 32150000 |
| RECORDER-UNIT-AIRBORNE-FLIGHT | | AIR | 559.202 | 740.415 | 76 | .04113 | 66 | 1259 | 32152000A |
| CAMERA-ASSEMBLY-BOMBING-SYSTEM | | AIR | 1507.53 | 2073.39 | 31 | .01194 | 63 | 1111 | 32154000 |
| TAPE-RECORDER | | SHP | 1923.07 | 3567.19 | 30 | .0026 | 65 | 1246 | 32156000 |
| TAPE-RECORDER | | SHP | 2352.94 | 4702.08 | 9 | .0017 | 64 | 1161 | 32158000A |
| FLIGHT-RECORDER | | AIR | 838.709 | 1051.49 | | .03100 | 66 | 2124 | 32160000 |
| FLIGHT-RECORDER | | AIR | 998.463 | 1456.06 | | .01302 | 66 | 2133 | 32162000 |

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

| PART CLASS | 486 MANIFOLDS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POPU- LATION | PART HOURS | YR OF DATA INDEX | CROSS REF NO | |
|--------------------------------------|---------------|------------------------|-------------|--------------|---------------------|-------------------|------------|------------------|--------------|----------|
| PART DESCRIPTION | | | | | | | | | | |
| .00 N.B.C. | | | | | | | | | | |
| CAVITY-VENT.FUEL-SYSTEM | | AIR | * | * | 192.847 | 31 | .01744 | 63 1111 | 32164000 | |
| OUTLET.OXYGEN-MASK.C/C | | AIR | * | * | 3.44989 | 1296 | .66744 | 65 1227 | 32166000 | |
| ENGINE-SECONDARY.FUEL/POWER-CONTROL | | AIR | * | * | 24.1109 | 248 | .0955 | 63 1111 | 32168000 | |
| FUEL-SYSTEM | | AIR | * | * | 11.6434 | 384 | .19776 | 65 1227 | 32170000 | |
| PROPULSION-SYSTEM | | GRD | * | * | 1718.35 | 18 | .00134 | 63 1125 | 32172000 | |
| OVERBOARD-VENT.FUEL-SYSTEM | | AIR | * | * | 192.847 | 31 | .01194 | 63 1111 | 32174000 | |
| MAIN-FUEL-DISTRIBUTION | | AIR | * | * | 192.847 | 31 | .01194 | 63 1111 | 32176000 | |
| MAIN-TANK/ENGINE.FUEL-DISTRIBUTION | | AIR | * | * | 192.847 | 31 | .01194 | 63 1111 | 32178000 | |
| OVERBOARD-DRAIN.ENGINE | | AIR | * | * | 46.3393 | | .04969 | 63 1123 | 32180000 | |
| ENGINE-PRIMARY.FUEL/POWER-CONTROL | | AIR | * | * | 24.1109 | 248 | .0955 | 63 1111 | 32182000 | |
| OUTLET.OXYGEN-MASK.CARGO-COMPARTMENT | | AIR | * | * | 2.07254 | 2054 | 1.111 | 56 1250 | 32184000 | |
| FUEL-SYSTEM | | AIR | * | * | 6.99878 | 608 | .319 | 65 1250 | 32186000 | |
| FUEL-SYSTEM.TURBOPROP-PWR-PLT | | AIR | * | * | 2.63754 | 10.2592 | .37914 | 65 1201 | 32188000 | |
| FUEL-SYSTEM.TURBOPROP-PWR-PLT | | AIR | * | * | 2.63286 | 11.0189 | .353 | 63 1114 | 32190000 | |
| FUEL-SYSTEM.TURBOPROP-PWR-PLT | | LAB | 2.9 | | | | | 63 1138 | 32192000 | |
| FUEL-SYSTEM.TURBOPROP-PWR-PLT | | AIR | * | * | 3.93987 | 10.4846 | .50763 | 65 1191 | 32194000 | |
| FUEL-SYSTEM.TURBOPROP-PWR-PLT | | AIR | * | * | 5.89781 | 15.6944 | .33912 | 63 1191 | 32196000 | |
| FUEL-SYSTEM.TURBOPROP-PWR-PLT | | AIR | * | * | 6.68896 | 17.8003 | .299 | 63 1117 | 32198000 | |
| FUEL-SYSTEM.TURBOPROP-PWR-PLT | | AIR | * | * | 9.66937 | 15.2609 | .93087 | 65 1191 | 32200000 | |
| ENGINE.FUEL/POWER-CONTROL | | AIR | * | * | 10.4712 | 40.7298 | .9955 | 63 1111 | 32202000 | |
| FUEL-SYSTEM | | AIR | * | * | 34.7591 | 43.4276 | 1.194 | 1.0357 | 67 1277 | 32204000 |
| FUEL-SYSTEM | | AIR | * | * | 35.0048 | 56.8556 | .22854 | 65 1277 | 32206000 | |
| FUEL-SYSTEM.AFTERSHOCK.TURBOJET. | | AIR | * | * | 35.3604 | 62.1557 | .22854 | 65 1213 | 32208000 | |
| J-85 | | | | | | | | | | |
| OXYGEN-SYSTEM | | AIR | * | * | 45.6308 | 91.1881 | .08766 | 64 1179 | 32210000 | |
| FUEL-SYSTEM | | AIR | * | * | 57.0385 | 87.8773 | .17532 | 64 1179 | 32212000 | |
| FUEL-SYSTEM.AFTERSHOCK.TURBOJET. | | AIR | * | * | 58.9043 | 103.397 | .10186 | 64 1179 | 32214000 | |
| J-85 | | | | | | | | | | |
| LEADER.20MM-GUN | | GRD | 70R | | 117.709R | 7 | .1R | 64 1134 | 32216000 | |
| FUEL-DRAIN.TURBOJET.J-85 | | AIR | 97.5 | | | | | 57 111 | 32218000 | |
| FUEL-SYSTEM.TURBOJET.J-85 | | AIR | 131.268 | | 167.651 | 946 | .22854 | 65 1226 | 32220000 | |
| FUEL-SYSTEM.TURBOJET.J-85 | | AIR | 227.531 | | 273.351 | 946 | .22854 | 65 1228 | 32222000 | |
| FUEL-SYSTEM.TURBOJET.J-85 | | AIR | 274.887 | | 354.211 | 812 | .10186 | 64 1179 | 32224000 | |
| FUEL-DRAIN.TURBOJET.J-85 | | AIR | 343.608 | | 430.704 | 812 | .10186 | 64 1179 | 32226000 | |
| ATTITUDE-CONTROL-SYSTEM | | GRD | 456.621 | | 1776.11 | 34 | .00219 | 63 1125 | 32228000 | |
| VALVE-MULTIPLE-SELECTOR.UTILITY | | GRD | 561.797 | | 2185.22 | 24 | .00178 | 63 1125 | 32230000 | |
| ENGINE | | AIR | 842.266 | | 919.604 | | .2612 | 66 1263 | 32232000 | |
| FRONT-FRAME.TURBOJET.J-85 | | AIR | * | | 24.1109 | 248 | .0955 | 63 1111 | 32234000 | |
| ESCAPE-SYSTEM | | AIR | 17.5024 | | 34.9765 | 946 | .22854 | 65 1228 | 32236000 | |
| 14TH-STAGE.COMPR/MIDFRAME | | AIR | 76.5694 | | 297.833 | 86 | .01306 | 64 1240 | 32238000 | |
| 14TH-STAGE.COMPR/MIDFRAME | | AIR | 6.44476 | | 14.3524 | 400 | .46548 | 51 1198 | 32240000 | |
| 14TH-STAGE.COMPR/MIDFRAME | | AIR | 76.0276 | | 55.1265 | 200 | .50763 | 65 1198 | 32242000 | |
| 14TH-STAGE.COMPR/MIDFRAME | | AIR | 250.648 | | 289.213 | 200 | .33912 | 65 1198 | 32244000 | |
| CROSSFEED.FUEL-DISTRIBUTION | | AIR | * | * | 192.847 | 31 | .01194 | 63 1111 | 32246000 | |
| DISTRIBUTION | | AIR | * | * | 192.847 | 31 | .01194 | 63 1111 | 32248000 | |

3964 ALBERT

| PART CLASS | 486 MANIFOLDS | UPPER | PART | YR | CR835 |
|------------------------|---------------------------------|------------------|-----------------|---------------|----------------------------------|
| PART DESCRIPTION | FUNCTIONAL APPLICATION | 90 CONF LIMIT | POPU- LATION | PART HOURS | OF DATA INDEX RPT SACE REF NO |
| FAILURE RATE | ENVIRONMENT | | | | |
| DRAIN | ENGINE FUEL/POWER-CONTROL | 24.1103 | 248 | .0955 | 63 1111 32250000 |
| FUEL | ENGINE-RAIN | 14.4508 | 56.2095 | .0692 | 66 1257 32251000 |
| FUEL | ENGINE-STARTING | 57.8034 | 153.823 | .0346 | 66 1257 32254000 |
| HYDRAULIC | | * | 7195.62 | .00032 | 63 1125 32254000 |
| HYDRAULIC | ALLERGEN-SYSTEM | * | 19.7868 | .11637 | 65 1198 32258000 |
| HYDRAULIC | ELEVATOR-ASSEMBLY | * | 9.89344 | .23274 | 65 1198 32258000 |
| HYDRAULIC | SELECTOR-VALVES-SOLENOID | 47.5643 | 70.4805 | .25229 | 66 1241 32262000 |
| HYDRAULIC | | 116.408 | 128.06 | .615 | 63 2113 32264000 |
| HYDRAULIC | SKID-ASSEMBLY-SHELTER-EQUIPMENT | 537.057 | 688.861 | .054 | 62 1541 32266000 |
| HYDRAULIC-COMBINED | | 214.953 | 284.61 | .107 | 66 1234 32266000A |
| BRADFIELD-POSITION | | | | | |
| HYDRAULIC-STEERING | LANDING-GEAR | 7.8756 | 30.6492 | .12691 | 65 1198 32270000 |
| HYDRAULIC-STEERING | LANDING-GEAR | 11.3636 | 44.2011 | .088 | 63 1114 32272000 |
| HYDRAULIC-STEERING | LANDING-GEAR | 25.7798 | 57.4099 | .11637 | 65 1198 32274000 |
| HYDRAULIC-STEERING | LANDING-GEAR | 66.6656 | 123.662 | .075 | 63 1114 32276000 |
| HYDRAULIC-STEERING | LANDING-GEAR | 70.7714 | 124.228 | .08478 | 63 1198 32278000 |
| HYDRAULIC-STEERING | LANDING-GEAR | 133.333 | 354.82 | .015 | 63 1114 32280000 |
| HYDRAULIC-POWER | CONTROL-SYSTEM | 2173.91 | 4032.47 | .0023 | 62 1135 32282000 |
| PNEUMATIC | AIR-CONDITIONING-TURBINE | * | 49.1693 | .02683 | 63 1123 32284000A |
| PNEUMATIC | GUN-TURRET-FIRE-CONTROL-SYSTEM | 1088.77 | 1587.76 | .01194 | 63 1111 32286000 |
| PRESSURE | PITOT-STATIC-SYSTEM | * | 192.847 | .01194 | 63 1111 32288000 |
| PRESSURE | HYDRAULIC-POWER-SUPPLY | 4.3756 | 17.0197 | .22854 | 65 1228 32290000 |
| PRESSURE | HYDRAULIC-POWER-SUPPLY | 9.6553 | 14.8755 | 1.0357 | 67 1272 32292000 |
| PRESSURE | HYDRAULIC-POWER-SUPPLY | 11.4077 | 30.3576 | .17532 | 64 1179 32294000 |
| QUICK-DISCONNECT | CARGO-COMPARTMENT-OXYGEN-SYSTEM | * | 2.07254 | 1.111 | 66 1250 32296000A |
| QUICK-DISCONNECT | C/C-OXYGEN-SYSTEM | * | 3.44989 | .86744 | 65 1227 32298000 |
| REFUELING | | * | 192.847 | .01194 | 63 1111 32300000 |
| REFUELING-SINGLE-POINT | | 8.59324 | 33.4252 | .11637 | 65 1198 32302000 |
| REFUELING-SINGLE-POINT | | 15.7591 | 41.9375 | .12691 | 65 1198 32304000 |
| REFUELING-SINGLE-POINT | | 22.7272 | 60.4806 | .088 | 63 1114 32306000 |
| REFUELING-SINGLE-POINT | | 80 | 140.428 | .075 | 63 1114 32308000 |
| REFUELING-SINGLE-POINT | | 82.5666 | 138.84 | .08478 | 63 1198 32310000 |
| REFUELING/DEFUELING | VALVE | * | 3.40742 | .67576 | 63 1123 32312000 |
| SINGLE-POINT | | | | | |

JOINT AIR DEVELOPMENT CENTER, GRIFFISS AFB, W.Y.
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1969

| PART EINGS | 367 MASTS | FUNCTIONAL APPLICATION | ENVIRONMENT | FAILURE RATE | UPPER 90 CONF LIMIT | PART POSN-LATION | PART HOURS | YR OF DATA | CROSS INDEX |
|-------------------------|-----------|----------------------------------|-------------|--------------|---------------------|------------------|------------|------------|---------------|
| PART DESCRIPTION | | | | | | | | RPT SAGE | REF NO |
| .00 N.B.C. | | | | | | | | | |
| MAIN-ROTOR | | MAIN-ROTOR | MELT | 552.486 | 929.037 | 40 | .01267 | 66 | 1257 32314500 |
| MAIN-ROTOR | | MAIN-ROTOR | MELT | 1213.87 | 1490.99 | 40 | .0346 | 66 | 1257 32316000 |
| HF-COMMUNICATION-SYSTEM | | HF-COMMUNICATION-SYSTEM | AIR | 4.29664 | 16.7126 | 200 | .23274 | 65 | 1198 32316000 |
| ANTENNA | | HF-COMMUNICATION-SYSTEM | AIR | 45.4545 | 73.8335 | 204 | .176 | 63 | 1114 32320000 |
| ANTENNA | | HF-COMMUNICATION-SYSTEM | AIR | 47.2775 | 70.0557 | 100 | .25382 | 65 | 1196 32322000 |
| ANTENNA | | HF-COMMUNICATION-SYSTEM | AIR | 134.228 | 181.51 | 100 | .149 | 63 | 1114 32324000 |
| ANTENNA | | HF-COMMUNICATION-SYSTEM | AIR | 147.44 | 192.918 | 100 | .16956 | 63 | 1198 32326000 |
| CENTER-CAVITY | | FUEL-VENT-SYSTEM | AIR | 4.29664 | 16.7126 | 200 | .23274 | 65 | 1198 32328000 |
| DRAIN | | ENGINE-NACELLE-TURBOPROP-PWR-PLT | AIR | 1.47442 | 5.73507 | 400 | .67823 | 63 | 1114 32330000 |
| DRAIN | | ENGINE-NACELLE-TURBOPROP-PWR-PLT | AIR | 1.66944 | 6.49365 | 400 | .595 | 65 | 1127 32332000 |
| DRAIN | | ENGINE-NACELLE-TURBOPROP-PWR-PLT | AIR | 1.96993 | 7.66247 | 200 | .50763 | 63 | 1198 32334000 |
| DRAIN | | ENGINE-NACELLE-TURBOPROP-PWR-PLT | AIR | 2.14832 | 8.35832 | 400 | .46548 | 65 | 1198 32336000 |
| DRAIN/VENT | | ENGINE-NACELLE | AIR | 20.2265 | 53.8258 | 192 | .09888 | 63 | 1123 32338000 |
| DRAIN/VENT | | ENGINE-NACELLE | AIR | 48.6322 | 78.9951 | 304 | .1645 | 66 | 1250 32340000 |
| JETTISON | | FUEL-SYSTEM | AIR | * | 46.5736 | 96 | .04964 | 63 | 1114 32342000 |
| JETTISON | | FUEL-SYSTEM | AIR | * | 27.9917 | 152 | .08226 | 66 | 1250 32344000 |
| JETTISON | | FUEL-SYSTEM | AIR | 3.9398 | 15.3246 | 100 | .25382 | 65 | 1228 32346000 |
| JETTISON | | FUEL-SYSTEM | AIR | 4.29664 | 16.7126 | 200 | .23274 | 65 | 1215 32348000 |
| JETTISON | | FUEL-SYSTEM | AIR | 5.68181 | 22.1005 | 204 | .176 | 65 | 1228 32350000 |
| JETTISON | | FUEL-SYSTEM | AIR | 52.258 | 125.474 | 136 | .031 | 64 | 1179 32352000 |
| W/LON | | FUEL-VENT-SYSTEM | AIR | * | 9.89344 | 200 | .23274 | 63 | 1196 32354000 |